

# STATE FIRE TRAINING

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## COURSE INFORMATION AND REQUIRED MATERIALS MANUAL

July 2016





# COURSE INFORMATION AND REQUIRED MATERIALS

PO Box 944246, Sacramento CA 94244-2460

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# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMMAND COURSES

CFSTES

**Course:** Chief Fire Officer 3D: Emergency Service Delivery Responsibilities (2014)  
**Hours:** 24  
**Designed For:** The certified Company Officer advancing to the Chief Fire Officer classification  
**Description:** This course provides students with a basic knowledge of the emergency service requirements related to the roles and responsibilities of a Chief Fire Officer including developing a plan for the integration of fire services resources, developing an agency resource contingency plan, evaluating incident facilities, supervising multiple resources, developing and utilizing an incident action plan, obtaining incident information to facilitate transfer of command, developing and conducting a post-incident analysis, and maintaining incident records.  
**Prerequisites:** Meet the educational requirements for Company Officer  
**Certification:** Chief Fire Officer  
**Max. Class Size:** 25  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Officer: Principles and Practice (ISBN: 9780763779290)		1 <sup>ST</sup>	JB
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer: Principles and Practice (ISBN: 9780763779290)		1 <sup>ST</sup>	JB
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD ISBN: 9780763798390		--	JB
▪ Chief Officer: Principles and Practice Instructors Test Bank CD ISBN: 9780763798406		--	JB
▪ Incident Response Pocket Guide (ISBN: NFES 001077)		2010	NWCG
▪ Firescope Field Operations Guide, ICS 420-1, Incident Command System		2012	FS
▪ Firescope ICS forms		CURRENT	FS
▪ NFPA 1051 Standards for Wildland Fire Fighter Professional Qualifications (ISBN: 9781455903047)		2012	NFPA
▪ NFPA 1021 Standards for Fire Officer Professional Qualifications (ISBN: 9781616653330)		2009	NFPA
▪ National Incident Management System (NIMS)		--	NIMS
VENDORS			
JB	Jones & Bartlett - 800-832-0034	<a href="http://www.jblearning.com">http://www.jblearning.com</a>	
NWCG	National Wildfire Coordinating Group	<a href="http://www.nwcg.gov">http://www.nwcg.gov</a>	
FS	Firescope	<a href="http://www.firescope.org/">http://www.firescope.org/</a>	
NFPA	National Fire Protection Association	<a href="http://www.nfpa.org/">http://www.nfpa.org/</a>	
NIMS	National Incident Management System	<a href="http://www.fema.gov">http://www.fema.gov</a>	
CHIEF FIRE OFFICER 3D COURSE CONTENT			

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Officer Certification Process



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## CHIEF FIRE OFFICER 3D COURSE CONTENT (cont'd)

### Unit 2: Emergency Service Resources

- Topic 2-1: Developing a Plan for the Integration of Fire Services Resources
- Topic 2-2: Developing an Agency Resource Contingency Plan

### Unit 3: Emergency Service Response

- Topic 3-1: Evaluating Incident Facilities
- Topic 3-2: Supervising Multiple Resources
- Topic 3-3: Developing and Utilizing an Incident Action Plan
- Topic 3-4: Obtaining Incident Information to Facilitate Transfer of Command
- Topic 3-5: Developing and Conducting a Post-Incident Analysis
- Topic 3-6: Maintaining Incident Records

For Review Only





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

CFSTES

**Course:** Command 1A: Structure Fire Command Operations for the Company Officer (2012)  
**Hours:** 40  
**Designed For:** First-in incident commander and company officers  
**Description:** This course provides an introduction to the principles of command, an overview of the concepts of command safety and the risk management process, pre-incident planning considerations, command considerations at structure fire incidents, Company Officer initial actions at an incident including the development of incident priorities, strategy, and tactics, information on the roles and responsibilities of a Company Officer for post-incident actions. Each student will have the opportunity to gain experience in a controlled environment through structure fire incident simulations.  
**Prerequisites:** Fire Fighter I training; I-200: Basic ICS; Prevention 1: Fire and Life Safety Inspections for the Company Officer **OR** Prevention 1A: Introduction into the California Fire Code and Prevention 1B: Inspection of Fire Protection Systems/Special Hazards.  
**Certification:** Company Officer  
**Max. Class Size:** 25  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Command 1A: Structure Fire Command Operations for the Company Officer – California Edition		2011	Delmar
REQUIRED INSTRUCTOR MATERIALS			
▪ Command 1A: Structure Fire Command Operations for the Company Officer – California Edition		2011	Delmar
▪ Instructor Online Resources		2013	SFT
VENDORS			
Delmar	Delmar Thomson Learning 800-347-7707 <a href="http://www.cengagebrain.com">http://www.cengagebrain.com</a>		
SFT	Online Instructor Resources <a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>		
COMMAND 1A COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Officer Certification Process

## Unit 2: Introduction to Command

- Topic 2-1: Incident Management Systems Review
- Topic 2-2: Fireground Safety Concepts
- Topic 2-3: Concepts of Decision Making
- Topic 2-4: Ethics/Command Presence of the Fireground
- Topic 2-5: Principles of Command

## Unit 3: Pre-Incident Considerations

- Topic 3-1: Building Construction and its Effect on Fire Development
- Topic 3-2: Fire Department Support in Built-in Fire Protection Systems
- Topic 3-3: Structure Fire Pre-Incident Considerations
- Topic 3-4: Local, State, and Federal Mutual Aid Resource Availability



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMMAND IA COURSE CONTENT (cont'd)

### Unit 4: Company Operations

- Topic 4-1: Engine and Truck Company Operations
- Topic 4-2: Apparatus Placement Considerations
- Topic 4-3: Determining Fire Flow Requirements

### Unit 5: Command Considerations

- Topic 5-1: Size-Up and Report on Conditions
- Topic 5-2: Determining and Implementing the Initial Incident Actions
- Topic 5-3: Conducting Fire Incident Scenarios
- Topic 5-4: Tactical Considerations Specific to One- and Two-family Dwellings
- Topic 5-5: Tactical Considerations Specific to Multi-family Dwellings
- Topic 5-6: Tactical Considerations Specific to Commercial Buildings
- Topic 5-7: Tactical Considerations Specific to Places of Assembly
- Topic 5-8: Post-incident Actions



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Command 1B: Incident Management for Company Officers (1998)

**Hours:** 40

**Designed For:** First-in incident commander and company officers

**Description:** This course provides the student with information on tactics, strategies, and scene management for multi-casualty incidents, hazardous materials incidents, and wildland fires. Each student also has the opportunity to increase his or her knowledge and skills by handling initial operations at these types of incidents through simulation and class activities.

**Prerequisites:** I-200, Fire Command 1A **OR** Command 1A

**Certification:** Fire Officer

**Max. Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		1998	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ Instructor Guide		1998	SFT
▪ PowerPoint Slides on CD-ROM (Optional)		1998	SFT
▪ Student Manual		1998	SFT
VENDORS			
SFT	State Fire Training Online Bookstore <a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>		
FIRE COMMAND 1B COURSE OUTLINE			

Course Objectives: To provide the student with...

- Information in which to direct the initial operations of a multi-casualty incident.
- Information in which to direct the initial operations of a hazardous materials incident.
- Information in which to direct the initial operations of a wildland fire incident.
- The opportunity to demonstrate the knowledge and skills learned in handling initial operations at hazardous materials, wildland fire, and multi-casualty incidents through simulation and class activities.

Course Content:.....40:00

Unit 1: Course Overview and ICS Review

Orientation and Administration ..... 1:00  
 Course Overview ..... 1:00  
 Fire Command 1A Review ..... 2:00  
 Concepts of ICS Organization ..... 3:00

Unit 2: Multi-Casualty Incidents

Components of Triage and START ..... 2:00  
 ICS and EMS Multi-Casualty ..... 1:30  
 ICS-MCI Implementation Overview ..... 1:30

Unit 3: Hazardous Materials Incidents

Hazardous Materials Overview ..... 0:30  
 Properties of Hazardous Materials ..... 1:00  
 Toxicology ..... 0:30  
 Site Control/Work Zones ..... 0:30  
 Evacuation Considerations ..... 1:00  
 Decision-Making Process ..... 0:30  
 ICS and the Hazardous Materials Incident ..... 1:30

Unit 4: Wildland Fire Incidents

Factors Affecting Wildland Fires ..... 2:00  
 Defensive and Offensive Strategies in Wildland Fire Fighting ..... 0:30  
 Use of Direct and Indirect Attack Methods on Wildland Fires ..... 1:00  
 Structure Protection and Triage in Wildland Fires ..... 2:00  
 Wildland Fire Safety ..... 1:00

Simulation Exercises ..... 14:00

Course Review and Summative Exam ..... 2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

CFSTES

**Course:** Command 1C: WUI Command Operations for the Company Officer (2012)  
**Hours:** 40  
**Designed For:** First-in incident commander and company officers  
**Description:** This course provides information to bring the structural Company Officer out of the city and into the wildland urban interface; in other words, from his or her comfort zone into an area that could be very well quite unfamiliar.  
**Prerequisites:** Fire Fighter I training; Fire Command 1A: Command Principles for Company Officers **OR** Command 1A: Structure Fire Command Operations for the Company Officer; I-200: Basic ICS; S-290: Intermediate Wildland Fire Behavior (NWCG online is acceptable)  
**Standard:** Complete all activities and formative tests  
Complete all summative tests with a minimum score of 80%  
**Certification:** Company Officer  
**Max. Class Size:** 32  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Command 1C Student Manual		2013	SFT
▪ Fireline Handbook (NFES 0065)		Current	NWCG
▪ ICS 420-1 Field Operations Guide (Pocket)		Current	FIRESCOPE
▪ Incident Response Pocket Guide (NFES 1077)		Current	NWCG
REQUIRED INSTRUCTOR MATERIALS			
▪ Command 1C Student Manual		2013	SFT
▪ Fireline Handbook (NFES 0065)		Current	NWCG
▪ ICS 420-1 Field Operations Guide (Pocket)		Current	FIRESCOPE
▪ Incident Response Pocket Guide (NFES 1077)		Current	NWCG
▪ Instructor Online Resources		2013	SFT
VENDORS			
FIRESCOPE	FF Resources of California Organized for Potential Emergencies	<a href="http://www.firescope.org/">http://www.firescope.org/</a>	
NWCG	National Wildlife Coordinating Group	<a href="http://www.nwcg.gov/">http://www.nwcg.gov/</a>	
SFT	Instructor Online Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
COMMAND 1C COURSE OUTLINE			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Officer Certification Process

## Unit 2: The Wildland Urban Interface Environment

- Topic 2-1: Fire Suppression in the Wildland Urban Interface Environment
- Topic 2-2: Community Partnership Initiatives

## Unit 3: Authority and Responsibility

- Topic 3-1: Jurisdictional Authority and Responsibility
- Topic 3-2: WUI Company Officer Responsibilities and Leadership Fundamentals

## Unit 4: Fire Behavior Forecasting

- Topic 4-1: Fire Behavior in California's Fire Environment
- Topic 4-2: Collecting and Using Wildland Fire Weather, Fuels, and Topographic Information



# COURSE INFORMATION AND REQUIRED MATERIALS

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## COMMAND 1C COURSE OUTLINE (cont'd)

### Unit 5: Managing Risk and Firefighter Safety

- Topic 5-1: Managing Risk at a WUI Fire

### Unit 6: WUI Incident Operations

- Topic 6-1: Pre-Incident Considerations
- Topic 6-2: Readiness of Assigned Personnel and Equipment
- Topic 6-3: Radio Communications
- Topic 6-4: Resource Needs, Availability, and Capability
- Topic 6-5: Size-up and Report on Conditions
- Topic 6-6: WUI Fire Suppression Considerations
- Topic 6-7: WUI Plan of Action

### Unit 7: Mobilization to an Expanding WUI Incident

- Topic 7-1: Mobilization and Response to an Expanding Incident
- Topic 7-2: Written Incident Action Plan Familiarization
- Topic 7-3: Administrative Duties of Mobilization



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Company Officer 2D: All-Risk Command Operations (2014)

**Hours:** 40 (see course plan for breakdown)

**Designed For:** Aspiring company officers

**Description:** This course provides information on conducting incident size-up, developing and implementing an initial plan of action involving single and multiunit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting preincident planning, and develop and conduct a post-incident analysis.

**Prerequisites:** Meet the educational requirements for Fire Fighter II  
ICS-200.B: Incident Command System For Single Resources and Initial Action Incidents  
Hazardous Material Incident Commander (as offered by the California Specialized Training Institute)

**Certification:** Fire Officer (Level I and II)

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%.

**Max. Class Size:** 32

**Student/** 32:1 (lecture)

**Instructor Ratio:** 10:1 (lab)

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ The required textbook chosen by the instructor		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Emergency Services Company Officer (ISBN: 0879392819)		4 <sup>TH</sup>	IFSTA
<b>AND/OR</b> Fire Officer: Principles and Practice (ISBN: 9781449600621)		3 <sup>RD</sup>	JB
▪ Firescope Field Operations Guide ICS 420-1 (FOG Manual) Chap. 15, Chap 16, and Chap20		--	--
▪ NFPA 1600, Standard on Disaster/Emergency Management and Business Continuity Programs		--	NFPA
▪ Online Instructor Resources		2013	SFT
VENDORS			
IFSTA	International Fire Service Training Association		<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>
JB	Jones and Bartlett		<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>
NFPA	National Fire Protection Association		
SFT	Online Instructor Resources		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>
COMPANY OFFICER 2D COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Officer Certification Process
- Topic 1-3: Definition of Duty





# COURSE INFORMATION AND REQUIRED MATERIALS

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## COMPANY OFFICER 2D COURSE CONTENT

### Unit 2: Emergency Service Delivery

- Topic 2-1: Developing an Initial Plan of Action
- Topic 2-2: Implementing a Plan of Action
- Topic 2-3: Developing and Conducting a Post-incident Analysis
- Topic 2-4: Identifying Elements of an Operational Plan to Mitigate an Incident
- Topic 2-5: Writing a Report Identifying Service Demand Causes

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Company Officer 2E: Wildland Incident Operations (2014)

**Hours:** 40 (see course plan for breakdown)

**Designed For:** Aspiring company officers

**Description:** This course provides information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources completing all operations to suppress a wildland fire, establishing an incident command post, creating an incident action plan, and completing incident records and reports.

**Prerequisites:** Meet the educational requirements for Fire Fighter II  
All Risk Command Operations for Company Officers  
S-290 Intermediate Fire Behavior (classroom delivery only)

**Certification:** Fire Officer (Level I and II)

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%.

**Max. Class Size:** 32

**Student/** 32:1 (lecture)

**Instructor Ratio:** 10:1 (lab)

**Instructor Level** Current State Fire Training registered instructor for Command 1C

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Command 1C Student Manual		2013	SFT
▪ Wildland Fire Incident Management Guide (NFES 002943)		2014	NWCG
▪ ICS 420-1 Field Operations Guide		CURRENT	FS
▪ Incident Response Pocket Guide (NFES 1077)		CURRENT	NWCG
REQUIRED INSTRUCTOR MATERIALS			
▪ Command 1C Student Manual		2013	SFT
▪ Wildland Fire Incident Management Guide (NFES 002943)		2014	NWCG
▪ ICS 420-1 Field Operations Guide		CURRENT	FS
▪ Incident Response Pocket Guide (NFES 1077)		CURRENT	NWCG
▪ CAL FIRE Wildland Urban Interface Operating Principles		CURRENT	CAL FIRE
▪ S 200 Instructor Guide: Initial Attack Incident Commander (NFES 2903)		CURRENT	NWCG
▪ S 200 Instructor Guide: Initial Attack Incident Commander (NFES 2903) (CD-ROM)		CURRENT	NWCG
VENDORS			
NWCG	National Wildfire Coordinating Group	<a href="http://www.nwcg.gov/">http://www.nwcg.gov/</a>	
FS	Firescope	<a href="http://www.firescope.org/">http://www.firescope.org/</a>	
CAL FIRE	CAL FIRE	<a href="http://calfire.ca.gov/">http://calfire.ca.gov/</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
COMPANY OFFICER 2E COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Officer Certification Process

## Unit 2: Wildland Fire Officer

- Topic 2-2: Developing Reports on Conditions



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMPANY OFFICER 2E COURSE CONTENT

- Topic 2-3: Formulating an Incident Action Plan
- Topic 2-4: Evaluating and Reporting Ongoing Incident Conditions
- Topic 2-5: Establishing an Incident Command Post
- Topic 2-6: Providing for Emergency Medical Treatment
- Topic 2-7: Deploying Resources to Suppress a Wildland Fire
- Topic 2-8: Updating Supervisors, Crew Members, and Adjoining Personnel
- Topic 2-9: Analyzing Incident Needs
- Topic 2-10: Providing for Assigned Resources' Needs
- Topic 2-11: Providing Information to the Replacement Incident Commander
- Topic 2-12: Deploying Resources to Mop Up a Wildland Fire
- Topic 2-13: Completing Wildland Fire Suppression Operations
- Topic 2-14: Evaluating Assigned Personnel
- Topic 2-15: Verifying Personnel Qualifications
- Topic 2-16: Evaluating Job Performance
- Topic 2-17: Maintaining Wildland Incident Records
- Topic 2-18: Completing Personnel Time and Equipment Use Records
- Topic 2-19: Preparing Final Incident Reports
- Topic 2-20: Responding to Requests for Incident Information



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Executive Chief Fire Officer 4D: Emergency Services Delivery (2014)

**Hours:** 38:30

**Designed For:** Executive Chief Fire Officer Candidate

**Description:** This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are developing a comprehensive disaster plan and a comprehensive plan for the organization to operate at a civil disturbance.

**Prerequisites:** Meet educational requirements for Chief Fire Officer

**Certification:** Executive Chief Fire Officer

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 24

**Inst./Stud. Ratio:** 1:24

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Required textbook chosen by the instructor		--	Various
▪ Access to a computer and printer		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer Principles and Practice, Jones & Bartlett Learning, ISBN: 9780763779290 <b>OR</b> Chief Fire Officer's Desk Reference, Jones & Bartlett Publishers, ISBN: 9780763729356 <b>OR</b> Managing Fire and Emergency Services, ICMA Publications, ISBN: 9780873267632		--	JBL JBL ICMA
▪ Activity		--	SFT
Reference Manual Options			
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798390)		--	JBL
▪ Chief Officer: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798406)		--	JBL
VENDORS			
JBL	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
ICMA	International City/County Management Association	<a href="http://www.icma.org">www.icma.org</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	

## EXECUTIVE CHIEF FIRE OFFICER 4D COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Fire Officer Certification Process
- Topic 1-3: Definition of Duty for Executive Chief Fire Officer

### Unit 2: Emergency Services Delivery

- Topic 2-1: Developing a Comprehensive Disaster Plan



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## EXECUTIVE CHIEF FIRE OFFICER 4D COURSE CONTENT\*

- Topic 2-2: Developing a Comprehensive Civil Disturbance Plan

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Command 2A: Command Tactics at Major Fires (1989)

**Hours:** 40

**Designed For:** Chief Officers, Company Officers, and Training Officers

**Description:** This course prepares the officer to use management techniques and the Incident Command System when commanding multiple alarms or large suppression forces.

**Prerequisites:** I-300, Fire Command 1A OR Command 1A

**Certification:** Chief Officer

**Max. Class Size:** 40

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Supplement		1985	SFT
▪ ICS 420-1 Field Operations Guide		2004	FIRESCOPE
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ ICS 420-1 Field Operations Guide		2004	FIRESCOPE
▪ Instructor Guide		1985	SFT
▪ Student Supplement		1985	SFT
▪ Fire Fighter Safety and Survival Video		1996	NTIS
▪ Overview of a Major Emergency Video, Los Angeles Library Fire (optional)			
▪ Detroit Fatalities Flashover Video (optional)			
▪ End of the Line Video, Phoenix Fire Incident (optional)			
VENDORS			
FIRESCOPE	Firefighting Resources of California Organized for Potential Emergencies	<a href="http://www.firescope.org">www.firescope.org</a>	
NTIS	National Technical Information Service (800-553-6847)	<a href="http://www.ntis.gov">www.ntis.gov</a>	
SFT	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
FIRE COMMAND 2A COURSE OUTLINE			

Course Objectives: To provide the student with...

- A review of the essential topics and activities from Fire Command 1A, including ICS, fire behavior within structures, pre-fire plan, and the role of the first-in officer.
- Information to assume or transfer command at major structure fires.
- A summary of considerations specific to major structure fire incidents.
- A summary of major fire incident operations and management procedures.
- Information and practices that enhance fire fighter safety and survival at major structure fires.
- The opportunity to apply expanded incident command principles under simulated conditions.

Course Content:	40:00
Course Introduction and Overview	1:00
Fire Command 1A Review	4:00
Assuming and Transferring Command	7:00
Major Fire Considerations	8:00
Safety	6:00
Simulation Exercises	12:00
Summative Review and Summative Exam	2:00





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Command 2B: Management of Major Hazardous Materials Incidents (2009)

**Hours:** 40

**Designed For:** Chief officers, company officers, and training officers

**Description:** This course provides Incident Commanders with the skills and competency necessary to mitigate an incident, initiate remedial action, and ensure the restoration of normal services with a comprehensive resource management approach. The course is also intended to bring the student to the standard of competency established for On-Scene Commander by OSHA's Final Rule 29 CFR 1910.120 and NFPA 472. Students will participate in simulated incident scenarios and justify their actions in a mock civil court setting.

**Prerequisites:** I-300, Fire Command 1B, Fire Command 2A

**Certification:** Chief Officer

**Max. Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Hazardous Materials On Scene Commander		2009	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ Hazardous Materials On Scene Commander		2009	SFT
▪ Instructor Guide		2009	SFT
VENDOR			
SFT	Online Instructor Resources (courtesy of ETS)	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE COMMAND 2B COURSE OUTLINE

Course Objectives: To provide the student with...

- An understanding of what haz mats events are; the problems they pose; the risks and outcomes of events; their clues, warning signs, placards, labels, shipping papers, and data sheets; the need for a positive safety approach including a mental safe approach tactic upon recognition of the haz mat event.
- The basic principles of first responder and operational actions; recognizing the need for use of ICS safety and isolation, and making the required notifications and contacts in mitigating a haz mat incident; and identifying the role of the Incident Commander/Scene Manager.
- Information to enhance their ability to communicate and coordinate with any agency having authorized activities dealing with a haz mat incident, and recognizing those agencies' roles and capabilities.
- Information to enhance their ability to conduct local pre-event haz mat plan and techniques to implement the management system used in that plan; and to identify methods of interaction with the state and federal regional response teams.

Course Content: .....	40:00
Course Introduction and Overview .....	1:00
Introduction to Hazardous Materials and the IC/Scene Manager .....	1:00
Haz Mat Recognition and Safety .....	1:00
Safety, Isolation, and Notification .....	1:00
Agency Coordination at the IC/SM Level .....	1:00
Pre-event and Event Specific Planning .....	1:00
Managing the Media at a Haz Mat Incident .....	1:00
Command and Scene Management .....	2:00
IDHA and Action Plans .....	2:00
Protective Equipment .....	1:00
Containment and Control Methods .....	1:00
Protective Actions Options .....	1:00
Decontamination and Clean-Up Considerations .....	1:00
Disposal and Funding Issues .....	1:00
Documentation and Reporting .....	1:00
Toxicology .....	1:00
Safety and Isolation via Perimeters and Zones .....	1:00
Investigations .....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE COMMAND 2B COURSE OUTLINE

Managing a Haz Mat Event and Medical Response .....	1:00
Managing Actual Haz Mat Events .....	0:30
Exercises, Critiques and IC/SM Exercise Briefing .....	5:30
The EOC and Haz Mat - an Overview.....	1:00
Review and Team Tabletop Exercises.....	8:00
Legal Aspects and Liabilities.....	1:00
Course Review and Summative Exam.....	2:00

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Command 2C: High-rise Fire Fighting Tactics (1995)

**Hours:** 40

**Designed For:** Chief officers and experienced company officers

**Description:** This course is approached from a system basis and is applied to both small and large high-rise buildings. Topics include prefire planning, building inventory, problem identification, ventilation methods, water supply, elevators, life safety, strategy and tactics, application of the ICS, and specific responsibilities. Case studies and simulation are used.

**Prerequisites:** I-300, Fire Command 2A

**Certification:** Chief Officer

**Max Class Size:** 40

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ ICS-HR-102-1 High-rise Structure Fire Operational System Description		1999	FIREScope
▪ ICS-HR-222-1 Base Manager – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-2 Ground Support Unit Leader – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-3 Lobby Control Unit Leader – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-4 Systems Control Unit Leader – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-5 Staging Area Manager – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-6 Medical Unit Leader – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-7 Safety Officer – High-rise Incident		1999	FIREScope
▪ Student Manual		1995	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ ICS-HR-102-1 High-rise Structure Fire Operational System Description		1999	FIREScope
▪ ICS-HR-222-1 Base Manager – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-2 Ground Support Unit Leader – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-3 Lobby Control Unit Leader – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-4 Systems Control Unit Leader – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-5 Staging Area Manager – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-6 Medical Unit Leader – High-rise Incident		1999	FIREScope
▪ ICS-HR-222-7 Safety Officer – High-rise Incident		1999	FIREScope
▪ Student Manual		1995	SFT
▪ Incendio/Highrise Video			FETN
▪ Out of Chaos Video			
VENDOR			
FETN	Fire and Emergency Training Network (800-845-2443)		<a href="http://www.fetn.com">www.fetn.com</a>
FIREScope	Firefighting Resources of California Organized for Potential		<a href="http://www.firescope.org">www.firescope.org</a>
SFT	State Fire Training Online Bookstore		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>
FIRE COMMAND 2C COURSE OUTLINE			

Course Content:.....40:00

Do You Have High Rise In Your Community/Jurisdiction?

Construction Features Specific To High-rise Buildings

Water Systems Unique To High-rise Buildings

Occupant Life Safety

Prefire Planning and Training For High-rise

Fire Fighting Building Inventory and Prefire Survey Systems

Communications Systems

Specific Areas of Assignment As They Relate To High-rise

ICS Strategy, Tactics, and Priority Placement of Resources Ventilation As It Relates To High-rise buildings

High-rise Elevator Systems Fire Fighter Safety

Simulation Exercises With Post Fire Analysis and Case Studies



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

**Hours:** 40  
**Designed For:** Chief officers, company officers, and planners  
**Description:** Key topics include: Principles of disaster planning and management, fire service emergency plans, emergency operations centers, case studies of various natural and man-made disasters, roles of local, state and federal OES and emergency management agencies, discussion of multi-hazard planning techniques, ICS and SEMS concepts, and principles of exercising emergency management staffs.  
**Prerequisites:** I-300, Fire Command 2A  
**Certification:** Chief Officer  
**Max Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		1996	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ Instructor Guide		1996	SFT
▪ Student Manual		1996	SFT
VENDOR			
SFT	State Fire Training Online Bookstore <a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>		
FIRE COMMAND 2D COURSE OUTLINE			

## Course Objectives:

- A brief history of emergency management programs at the local, state, and federal level, their current function, and available funding sources.
- The management tools, techniques, and resources currently available to develop an on-going emergency management program that would involve a range of local government departments, community agencies, and private entities.
- The basic principles and components of emergency management plan development, available guidance, and related terminology to include the usage of the Incident Command System (ICS) and Standardized Emergency Management System (SEMS) concept.
- The basic principles, technical aspects, equipment components, and common features of facilities/areas that may be used as an Emergency Operations Center (EOC), and a description of mutual aid agreement and their application in disaster situations.
- Basic techniques for day-to-day management and how to make the emergency management program a valuable asset to their jurisdiction; to include interface with community groups, private businesses, support groups, and other organizations through training and an exercise development program.
- The current legislative and liability issues, as well as community pressures that are currently influencing emergency management programs to include current information received from recent disaster situations and their impact upon emergency management programs.
- An opportunity to demonstrate their acquired knowledge through programmed exercises and simulations.

Course Content.....	40:00
Orientation and Administrative Details .....	1:00
Introductions and Purpose of the Course .....	1:00
Description of Emergency Situations .....	1:30
Project Assignment Description .....	0:30
Incident Command System .....	0:30
Functions of an Emergency Operations Center .....	2:00
Design of an Emergency Operating Center .....	1:30
History and Purpose of Federal Emergency Management Program .....	1:00
Structure of Emergency Management Organizations .....	1:00
Jurisdictional Responsibility for Emergency Management .....	1:30
Fire Department Role in Emergency Management.....	1:00
Role of Emergency Management Coordinator .....	1:00
The Planning Process .....	1:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE COMMAND 2D COURSE OUTLINE

A Useable Plan .....	1:00
Disaster Service Worker .....	0:30
Comprehensive Emergency Management - Mitigation .....	1:30
Comprehensive Emergency Management - Preparedness .....	1:00
Comprehensive Emergency Management - Response .....	1:00
Comprehensive Emergency Management - Recovery .....	2:00
Mutual Aid .....	1:30
Procedures for Declaring a Local Disaster.....	1:00
Resources and Other Types of Assistance.....	2:00
Types of Exercises.....	1:30
Exercise Development Program .....	1:00
Tabletop Exercise Development .....	1:30
Functional and Full-Scale Exercises .....	1:00
Project Presentations.....	4:00
Review of Recent Emergency Situations .....	2:00
Course Review and Summative Exam.....	2:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Command 2E: Wildland Fire Fighting Tactics (1996)

**Hours:** 40

**Designed For:** Fire officers who have command responsibilities at wildland fires

**Description:** This course contains such topics as California's wildland fire problem, wildland fire safety, weather effects, wildland fuels, wildland fire behavior, initial attack methods, using support equipment, using topographic maps, strategy and tactics, and air attack operations. Involves class participation and simulation.

**Prerequisites:** I-300, Fire Command 1C, Fire Command 2A

**Certification:** Chief Officer

**Max. Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Supplement		1994	SF
▪ I-100 Introduction to the Incident Command System		2006	NWCG
▪ ICS 420-1 Field Operations Guide		2004	FIRESCOPE
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ I-100 Introduction to the Incident Command System		2006	NWCG
▪ ICS 420-1 Field Operations Guide		2004	FIRESCOPE
▪ Instructor Guide		1994	SFT
▪ Introduction to Wildland Fire Behavior S-190 Student Workbook, (NFES 2901), with Unit/Final Tests (Appendix B)		2006	NWCG
▪ Pre-assignment		1994	SFT
▪ Student Supplement		1994	SF
▪ Wildland Calculator			NWCG
VENDORS			
FIRESCOPE	Firefighting Resources of California Organized for Potential	<a href="http://www.firescope.org">www.firescope.org</a>	
NWCG	National Wildlife Coordinating Group (208-387-5119)	<a href="http://www.nwcg.gov">www.nwcg.gov</a>	
SFT	State Fire Training Online Bookstore	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
FIRE COMMAND 2E COURSE OUTLINE			

Course Objectives: To provide the student with...

- Information about the command responsibilities pertinent to emergency operations involving wildland fires.
- Information on the principles and methods for planned suppression of wildland fires.
- Information on the tactics and strategies common to wildland fires.
- Information on the resources specifically designed for wildland fire control.
- Information on the specific applications of the Incident Command System used in wildland fires and emergencies.
- The tools and techniques relative to reading maps and assessing topography that can be utilized in their own agency to improve pre-emergency planning and resource deployment.
- The opportunity to gain experience in a controlled environment through simulations.
- Information to manage an incident in a wildland fire.

Course Content: .....	40:00
Historical Development of the Wildland Fire Problem.....	2:00
Command Responsibilities.....	2:00
Pre-emergency Planning.....	2:00
Tactics and Strategy for Wildland Operations.....	4:00
Specialized Wildland Fire Fighting Resource Capability.....	8:00
Wildland Fire Behavior.....	4:00
Map Reading and Usage .....	4:00
Wildland Incident Command Systems .....	4:00
Fire Fighter Safety and Survival.....	1:00
Simulations.....	7:00
Course Review and Summative Exam.....	2:00





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMMUNITY RISK OFFICER COURSES

CFSTES

**Course:** Community Risk Educator (2014)  
**Hours:** 24  
**Designed For:** Community Risk Educator Candidate  
**Description:** This course provides the skills and knowledge needed for the Community Risk Educator to perform his/her duties safely, effectively, and competently by coordinating and delivering existing educational programs and information.  
**Prerequisites:**

- Introduction to Incident Command System I-100
- National Incident Management System (NIMS): An Introduction 700
- Instructor I: Instructor Methodology OR Training Instructor 1A Cognitive Lesson Delivery
- Fire Prevention I: Fire & Safety Inspections OR Fire Prevention 1A: Introduction to the California Fire Code Bridge OR Company Officer 2C: Fire Inspections and Investigation OR Three college-level units in Introduction to Fire Technology

**Certification:** Community Risk Educator  
**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.  
**Max. Class Size:** 30  
**Restrictions:** None

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
▪ Fire and Life Safety Educator First Edition, Author: Marsha Giesler, Cengage Brain, ISBN:13-978-1-4283-0541-0	1 <sup>ST</sup>	CB
OR Fire and Life Safety Educator, Third Edition, IFSTA, Fire Protection Publications, ISBN: 978-087939396-0	3 <sup>rd</sup>	IFSTA

REQUIRED INSTRUCTOR MATERIALS	EDITION	VENDORS
▪ Fire and Life Safety Educator First Edition, Author: Marsha Giesler, Cengage Brain, ISBN:13-978-1-4283-0541-0	1 <sup>ST</sup>	CB
OR Fire and Life Safety Educator, Third Edition, IFSTA, Fire Protection Publications, ISBN: 978-087939396-0	3 <sup>rd</sup>	IFSTA
▪ Instructor Activity	--	SFT

VENDORS		
IFSTA	International Fire Service Training Assn. - 800-654-4055	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>
CB	Cengage Brain	<a href="https://www.cengagebrain.com/shop/index.html">https://www.cengagebrain.com/shop/index.html</a>
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>

## COMMUNITY RISK EDUCATOR COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Community Risk Educator Certification Process

### Unit 2: Administration

- Topic 2-1: Documenting and Recording Fire and Life Safety Educational Activities
- Topic 2-2: Completing Fire and Life Safety Activity Reports and Forms



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMMUNITY RISK EDUCATOR COURSE CONTENT\*

- Topic 2-3: Scheduling and Completing Fire and Life Safety Activities
- Topic 2-4: Identifying Fire and Life Safety Community Resources

### Unit 3: Planning and Development

- Topic 3-1: Identifying and Sharing Information with Fire and Life Safety Partners

### Unit 4: Education and Implementation

- Topic 4-1: Selecting Fire and Life Safety Instructional Materials
- Topic 4-2: Practicing Safety During Fire and Life Safety Educational Activities
- Topic 4-3: Presenting Fire and Life Safety Lesson Plans
- Topic 4-4: Notifying the Public of Fire and Life Safety Events
- Topic 4-5: Disseminating Fire and Life Safety Educational Information

### Unit 5: Evaluation

- Topic 5-1: Administering Fire and Life Safety Evaluation Methods
- Topic 5-2: Scoring Fire and Life Safety Evaluation

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Community Risk Officer (2014)  
**Hours:** 46:30  
**Designed For:** Community Risk Officer Candidate  
**Description:** This course provides the skills and knowledge needed for the Community Risk Specialist to perform his/her duties safely, effectively, and competently by creating, administering, and evaluating educational programs and information; and managing a Junior Firesetting Intervention Program and the activities of the JFIS I.  
**Prerequisites:**

- Community Risk Specialist
- Youth Firesetting Prevention and Intervention Level II NFA-FO634; **OR** Youth Firesetting Prevention and Intervention NFA-RO629
- PIO Awareness EMI G-289 State OES Delivery
- JIS/JIC Planning EMI G-291 State OES Delivery
- Intermediate Wildland Fire Behavior NWCG S-290
- Intermediate Incident Command System I-300

**Certification:** Community Risk Officer  
**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.  
**Max. Class Size:** 30  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire and Life Safety Educator First Edition, Author: Marsha Giesler, Cengage Brain, ISBN:13-978-1-4283-0541-0 <b>OR</b> Fire and Life Safety Educator, Third Edition, IFSTA, Fire Protection Publications, ISBN: 978-087939396-0		1 <sup>ST</sup>	CB
		3 <sup>rd</sup>	IFSTA
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Life Safety Educator First Edition, Author: Marsha Giesler, Cengage Brain, ISBN:13-978-1-4283-0541-0 <b>OR</b> Fire and Life Safety Educator, Third Edition, IFSTA, Fire Protection Publications, ISBN: 978-087939396-0		1 <sup>ST</sup>	CB
		3 <sup>rd</sup>	IFSTA
VENDORS			
IFSTA	International Fire Service Training Assn. - 800-654-4055		<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>
CB	Cengage Brain		<a href="https://www.cengagebrain.com/shop/index.html">https://www.cengagebrain.com/shop/index.html</a>

## COMMUNITY RISK OFFICER COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Community Risk Educator Certification Process

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Community Risk Officer Certification Process

### Unit 2: FLSE Administration

- Topic 2-1: Developing a Fire and Life Safety Education Budget



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMMUNITY RISK OFFICER COURSE CONTENT\*

- Topic 2-2: Formulating Alternate Fire and Life Safety Program Development and Delivery Systems

### Unit 3: FLSE Planning and Development

- Topic 3-1: Developing a Comprehensive Fire and Life Safety Education Strategy
- Topic 3-2: Creating a Fire and Life Safety Education Coalition
- Topic 3-3: Projecting Future Fire and Life Safety Needs
- Topic 3-4: Proposing Fire and Life Safety Public Policy
- Topic 3-5: Developing a Fire and Life Safety Marketing Plan

### Unit 4: FLSE Education and Implementation

- Topic 4-1: Creating Fire and Life Safety Educational Messages
- Topic 4-2: Establishing Administration Policies for Fire and Life Safety Education
- Topic 4-3: Creating a Training Program for Fire and Life Safety Educators
- Topic 4-4: Creating a Fire and Life Safety Internal Awareness Campaign
- Topic 4-5: Creating Fire and Life Safety Education Reports

### Unit 5: FLSE Evaluation

- Topic 5-1: Implementing Public Health Surveillance Systems
- Topic 5-2: Evaluating Fire and Life Safety Educational Programs

### Unit 6: JFIS Administration

- Topic 6-1: Formulating JFIS Program Policies and Procedures
- Topic 6-2: Developing a JFIS Program Budget
- Topic 6-3: Identifying and Assigning a JFIS I
- Topic 6-4: Supervising a JFIS I
- Topic 6-5: Maintaining Records and Case Files of Juvenile Firesetters

### Unit 7: JFIS Planning and Development

- Topic 7-1: Developing JFIS Interagency Networks
- Topic 7-2: Developing and Selecting Approved JFIS Forms and Materials
- Topic 7-3: Designing a JFIS Training Program
- Topic 7-4: Developing a JFIS Community Awareness Program
- Topic 7-5: Creating and Maintaining JFIS Data Collection Systems

### Unit 8: JFIS Education and Implementation

- Topic 8-1: Delivering an Internal JFIS Training Program
- Topic 8-2: Maintaining JFIS Interagency Networks
- Topic 8-3: Delivering JFIS Community Awareness Training

### Unit 9: JFIS Evaluation

- Topic 9-1: Evaluating JFIS Programs
- Topic 9-2: Analyzing JFIS Program Effectiveness
- Topic 9-3: Preparing JFIS Program Reports



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Community Risk Specialist (2014)  
**Hours:** 57  
**Designed For:** Community Risk Specialist Candidate  
**Description:** This course provides the skills and knowledge needed for the Community Risk Specialist to perform his/her duties safely, effectively, and competently by preparing educational programs and information to meet identified needs; conducting JFS intakes/interviews to determine needs for referral and/or implementing educational intervention strategies; and managing interactions with the media and articulating organizational messages as a PIO.  
**Prerequisites:**

- Community Risk Educator
- Introduction to Incident Information, NWCG S-203
- Introduction to Wildland Fire Behavior NWCG S-190
- ICS for Single Resources and Initial Action Incidents I-200.B
- Youth Firesetting Prevention and Intervention Level I NFA-F0633; **OR** Youth Firesetting Prevention and Intervention NFA-R0629
- Public Information Officer Awareness, EMI Independent Study IS-289

**Certification:** Community Risk Specialist  
**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.  
**Max. Class Size:** 30  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire and Life Safety Educator First Edition, Author: Marsha Giesler, Cengage Brain, ISBN:13-978-1-4283-0541-0 <b>OR</b> Fire and Life Safety Educator, Third Edition, IFSTA, Fire Protection Publications, ISBN: 978-087939396-0		1 <sup>ST</sup>	CB
		3 <sup>rd</sup>	IFSTA
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Life Safety Educator First Edition, Author: Marsha Giesler, Cengage Brain, ISBN:13-978-1-4283-0541-0 <b>OR</b> Fire and Life Safety Educator, Third Edition, IFSTA, Fire Protection Publications, ISBN: 978-087939396-0		1 <sup>ST</sup>	CB
		3 <sup>rd</sup>	IFSTA
VENDORS			
IFSTA	International Fire Service Training Assn. - 800-654-4055	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
CB	Cengage Brain	<a href="https://www.cengagebrain.com/shop/index.html">https://www.cengagebrain.com/shop/index.html</a>	

## COMMUNITY RISK SPECIALIST COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Community Risk Specialist Certification Process

### Unit 2: FLSE Administration

- Topic 2-1: Preparing a Fire and Life Safety Budget Proposal
- Topic 2-2: Project Fire and Life Safety Program Budget Income/Expenditures



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMMUNITY RISK SPECIALIST COURSE CONTENT\*

- Topic 2-3: Developing Fire and Life Safety Public Policy Recommendations
- Topic 2-4: Evaluating Fire and Life Safety Subordinate Performance

### Unit 3: FLSE Planning and Development

- Topic 3-1: Establishing Fire and Life Safety Education Priorities
- Topic 3-2: Facilitating Fire and Life Safety Collaborative Partnerships
- Topic 3-3: Preparing Fire and Life Safety Resource Requests to External Agencies

### Unit 4: FLSE Education and Implementation

- Topic 4-1: Developing Fire and Life Safety Informational Materials
- Topic 4-2: Developing Fire and Life Safety Lesson Plans
- Topic 4-3: Developing Fire and Life Safety Educational Materials
- Topic 4-4: Designing Fire and Life Safety Education Program
- Topic 4-5: Revising Fire and Life Safety Educational Programs

### Unit 5: FLSE Evaluation

- Topic 5-1: Developing Fire and Life Safety Evaluation Strategies
- Topic 5-2: Designing Fire and Life Safety Evaluation Instruments
- Topic 5-3: Implementing Fire and Life Safety Evaluation Strategies

### Unit 6: JFIS Administration

- Topic 6-1: Assembling JFIS Intake Forms and Materials
- Topic 6-2: Assembling JFIS Interview Tools and Materials
- Topic 6-3: Utilizing Personal Work Schedules to Conduct JFIS Interviews
- Topic 6-4: Reporting JFIS Case Information to a Supervisor
- Topic 6-5: Recording and Securing JFIS Data

### Unit 7: JFIS Planning and Development

- Topic 7-1: Reviewing JFIS Case Files
- Topic 7-2: Initiating JFIS Contact with Families
- Topic 7-3: Conducting JFIS Intakes and Interviews
- Topic 7-4: Determining JFIS Intervention Options
- Topic 7-5: Implementing JFIS Interventions
- Topic 7-6: Implementing JFIS Referral Processes

### Unit 8: JFIS Evaluation

- Topic 8-1: Collecting and Recording JFIS Feedback
- Unit 9: Public Information Officer
- Topic 9-1: Conducting Media Interviews and Preparing News/Press Releases
- Topic 9-2: Establishing Media Areas
- Topic 9-3: Disseminating Information to the Media
- Topic 9-4: Disseminating Information to Community Groups
- Topic 9-5: Preparing Media Advisories
- Topic 9-6: Disseminating Information Internally





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMMUNITY RISK SPECIALIST COURSE CONTENT\*

- Topic 9-7: Coordinating a News Conference

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## DRIVER/OPERATOR COURSES

CFSTES

**Course:** Aerial Apparatus Operations (2015)

**Hours:** 40

**Designed For:** Career and volunteer fire service personnel who drive and operate a fire department aerial apparatus

**Description:** This course provides information on aerial apparatus preventive maintenance and operations. Topics include routine tests, inspections, and servicing functions on the systems and components unique to an aerial apparatus; maneuvering, positioning, and stabilizing an aerial apparatus; maneuvering, positioning, and lowering the aerial device; and deploying and operating an elevated master stream. This course is based on the 2014 edition of *NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications*.

**Prerequisites:** Successfully completed OSFM Fire Fighter I training  
Fire Apparatus Driver/Operator 1A (2008 or 2015 version)  
Hold a valid Class C Firefighter Endorsed driver's license (minimum)  
Completed a minimum of four (4) hours driving an aerial apparatus  
Completed the activities from Driver/Operator 1A while driving an aerial apparatus

**Certification:** Fire Apparatus Driver/Operator – Aerial Apparatus

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Stud./ Instructor Ratio:** 30:1 (Lecture);

10:1 (Skills)

**Instructor Level:** This courses requires one (1) primary instructor and sufficient assistant instructors to meet the skills ratio

**Restrictions:** Sufficient fire apparatus and adequate space to accommodate the students in the class and the required skills

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
Course text is selected by instructor			
<ul style="list-style-type: none"> <li>Fire Apparatus Driver/Operator (ISBN:9781284026917)</li> </ul>		2 <sup>nd</sup> ed.	JB
OR			
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
<ul style="list-style-type: none"> <li>Personal protective clothing</li> </ul>		3 <sup>rd</sup>	IFSTA
REQUIRED INSTRUCTOR MATERIALS			
<ul style="list-style-type: none"> <li>Fire Apparatus Driver/Operator (ISBN:9781284026917)</li> </ul>		2 <sup>nd</sup> ed.	JB
OR			
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
<ul style="list-style-type: none"> <li>Maintenance and inspection forms</li> </ul>		--	--
<ul style="list-style-type: none"> <li>Manufacture's specifications and requirements</li> </ul>		--	--
<ul style="list-style-type: none"> <li>Instructor Activities</li> </ul>		--	SFT
VENDORS			
IFSTA	International Fire Service Training Assn. - 800-654-4055	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett	<a href="https://www.jblearning.com">https://www.jblearning.com</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## AERIAL APPARATUS OPERATIONS COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Apparatus Driver/Operator – Aerial Apparatus Certification Process

### Unit 2: Preventive Maintenance

- Topic 2-1: Perform and Document Routine Tests, Inspections, and Servicing Functions Unique to Aerial Apparatus

### Unit 3: Operations

- Topic 3-1: Maneuver and Position an Aerial Apparatus
- Topic 3-2: Stabilize an Aerial Apparatus
- Topic 3-3: Maneuver and Position an Aerial Device from Each Control Station
- Topic 3-4: Lower an Aerial Device using the Emergency Operating System
- Topic 3-5: Deploy and Operate an Elevated Master Stream

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Basic Emergency Vehicle Operations (1996)  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** This course provides information and skills training. Topics include applicable laws, defensive driving techniques, basic inspection, and maintenance. Each student also has the opportunity to increase his or her driving skills during simulated driving conditions.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 25  
**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
None		
REQUIRED INSTRUCTOR MATERIALS		
None		
BASIC EMERGENCY VEHICLE OPERATIONS COURSE OUTLINE		

Course Objectives: To provide the student with...

- Information on driver responsibilities, vehicle laws, and defensive driving techniques.
- Information and techniques on basic inspections and maintenance of emergency vehicles
- Information and techniques for operating an emergency vehicle prior to the run, during the run, while at the emergency and when returning to the unit's quarters.
- An opportunity to increase his or her driving skills using simulated driving conditions.

Course Content:	16:00
Introduction to Emergency Vehicle Operation	0:30
State and Local Laws Relating to Emergency Vehicle Operations	0:20
Department Driving Rules and Regulations	0:30
Principles of Driving Techniques	1:00
Principles of Safe Driving of Emergency Vehicles During "Code 3" Response	1:00
Driving Safety Considerations for Off Road Operations	0:30
Driver Safety While Working on Freeway Emergencies	0:30
Placement of Emergency Vehicles at an Emergency Scene	0:10
Mobile Pumping Safety Considerations	0:20
How to Perform Routine Emergency Inspection	0:10
How to Read and Interpret Vehicle Gauges	0:30
How to Perform Routine Emergency Vehicle Maintenance	0:45
How to Complete Routine Maintenance Records and Reports	0:15
Development of an Equipment Inventory Checks	0:30
How to Make Daily Equipment Inventory Checks	0:30
Development of a Route Map Book	0:30
How to Drive Apparatus	1:00
How to Maneuver Apparatus Through Serpentine Exercise	1:00
How to Maneuver Apparatus Through Offset Alley Exercise	1:00
How to Maneuver Apparatus Through Straight Line Exercise	1:00
How to Maneuver Apparatus Through Turn Around Exercise	1:00
How to Maneuver Apparatus Through Diminishing Clearance Exercise	1:00
How to Maneuver Apparatus While Mobile Pumping	1:00
How to Maneuver Apparatus on Up and Down Hill Exercise	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Basic Pump Operations (1993)  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** This course provides the student with the information and skills training for operating fire service pumps. Topics include types of pumps, engine and pump gauges, maintenance, unsafe pumping conditions, pressure relief devices, cooling systems, water supplies, drafting, and field hydraulics. Each student also has the opportunity to increase his or her pumping skills during simulated pumping conditions.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 25  
**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
None			
REQUIRED INSTRUCTOR MATERIALS			
Instructor Guide		1993	SFT
VENDOR			
SFT	State Fire Training Online Bookstore	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
BASIC PUMP OPERATIONS COURSE OUTLINE			

## Course Objectives:

- Information and theory on pump operation.
- Methods of performing basic field hydraulics
- Methods and techniques for routine maintenance on pumping apparatus.
- Methods and procedures for pump operations from the tank, a hydrant and at draft.

Course Content:	16:00
Introduction to Pump Operations	0:30
Types of Pumps	0:30
Types of Priming Devices	0:15
Single and Multi-Stage Centrifugal Pumps	0:30
Engine and Pump Gages	0:15
Maintenance Records and Reports	0:15
Rated Performance of Fire Service Pumps	0:15
Unsafe Pumping Conditions	0:30
Pressure Relief Valves	0:15
Auxiliary Cooling Systems	0:15
Check Valves	0:10
Water Supplies for Pump Operations	0:20
Tank Supply Operations	0:15
Water Tender Relay Operations	0:15
Fire Hydrant Operations	0:30
Tandem Pumping Operations	0:30
Forward Hose Lay Supply Operations	0:30
Drafting Theory	0:30
Static Water Supply Operations	0:30
Ejector Pump Operations	0:30
Relay Pumping Operations	0:30
Field Hydraulics	2:00
How to Provide Power to the Pump	1:00
How to Use Tank Water	1:00
How to Use a Hydrant	1:00
How to Relay Pump	1:00
How to Draft Water	1:00
How to Use an Ejector Pump	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

FSTEP

**Course:** Driver/Operator: Aerial/Tiller Truck Operations (2012)  
**Hours:** 40  
17:00 hours instruction; 20:00 hours practical application, 3:00 hours testing  
**Designed For:** Firefighters assigned to aerial/tiller apparatus  
**Description:** This course is designed for the driver/operator responsible for operating fire apparatus equipped with an aerial device. Topics include inspecting, maintaining, and testing of aerial devices. Practical application requires driving an aerial apparatus including tiller operations, positioning and stabilizing the apparatus, and operating the aerial device.  
**Prerequisites:** Fire Apparatus Driver/Operator 1A  
**Certification:** None  
**Standard:** 80% on summative exam  
Driving and Practical Exercise: the standard is set by Authority Having Jurisdiction (AHJ).  
**Max. Class Size:** 30  
**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course plan.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Aerial Apparatus Driver/Operator Handbook		Second	CFCA or FPP
▪ California Commercial Driver Handbook		Second	CFCA or FPP
▪ Manufacturer's Specifications			
REQUIRED INSTRUCTOR MATERIALS			
Aerial Apparatus Driver/Operator Handbook		Second	CFCA or FPP
Aerial Apparatus Driver/Operator Instructor Resource Kit		Second	CFCA or FPP
California Commercial Driver Handbook		Current	DMV
California Vehicle Code		Current	DMV
Title 49 CFR Transportation		2001	USGPO
Manufacturer's Specifications			
VENDORS			
CFCA	California Fire Chief's Association Bookstore (800-733-2314)	<a href="http://www.calchiefs.org/">http://www.calchiefs.org/</a>	
DMV	Department of Motor Vehicles	<a href="http://apps.dmv.ca.gov/pubs/hdbk/driver_handbook_toc.htm">http://apps.dmv.ca.gov/pubs/hdbk/driver_handbook_toc.htm</a>	
FPP	Fire Protection Publications (800-654-4055)	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
USGPO	U. S. Government Printing Office	<a href="http://www.gpo.gov/">http://www.gpo.gov/</a>	

## DRIVER/OPERATOR: AERIAL/TILLER TRUCK OPERATIONS COURSE OUTLINE\*

### Unit 1: Course Introduction

Topic 1-1: Orientation and Administration..... 0:30

### Unit 2: Inspections, Tests, and Servicing Functions

Topic 2-1: Basic Inspection Requirements for Aerial and Tillers ..... 2:00

Topic 2-2: Test Requirements for Aerial and Tillers..... 1:00

Topic 2-3: Servicing of Aerial and Tillers Apparatus ..... 1:00

### Unit 3: Review of Driver Operator Responsibilities

Topic 3-1: California Vehicle Codes..... 0:30

Topic 3-2: Driver's Responsibilities ..... 1:00

### Unit 4: Operation of an Aerial/Tiller Fire Apparatus



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## DRIVER/OPERATOR: AERIAL/TILLER TRUCK OPERATIONS COURSE OUTLINE\*

Topic 4-1: Operating and Control of Aerial/Tiller Fire Apparatus.....	2:00
Topic 4-2: Operating Aerial and Tiller Apparatus .....	10:00
Unit 5: Aerial Device Operations	
Topic 5-1: Stabilizing Aerial Apparatus .....	1:00
Topic 5-2: Maneuvering and Positioning an Aerial Device .....	4:00
Topic 5-3: Operating the Aerial Device .....	10:00
Unit 6: Apparatus Placement	
Topic 6-1: General Apparatus Placement .....	1:00
Topic 6-2: Apparatus Placement for use of an Elevated Master Stream.....	3:00
<b>Course Hours .....</b>	<b>40:00</b>

\*This is an abbreviated Course Plan. Terminal and Enabling Learning Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at:

<http://osfm.fire.ca.gov/training/SFTCurriculum.php>





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Apparatus Driver/Operator 1A: Emergency Vehicle Operations (2008)

**Hours:** 40

**Designed For:** Fire service emergency response personnel

**Description:** Updated to reflect current California Vehicle Code (CVC) requirements and the 2009 NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. This course provides the student with information on driver responsibilities, recognized standards, and related laws for fire apparatus. Topics include basic inspections, documentation, maintenance, and troubleshooting fire apparatus, and techniques on driving and positioning fire apparatus. Each student also has the opportunity to increase his or her driving skills during simulated driving conditions.

**Prerequisites:** California Class C driver's license  
\*Fire Fighter I training recommended

**Certification:** Fire Apparatus Driver/Operator I

**Max. Class Size:** 25

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
California Commercial Driver Handbook		Current	DMV
Pumping Apparatus Driver/Operator Handbook		Second	CFCA or FPP
Student Supplement		2011	SFT
REQUIRED INSTRUCTOR MATERIALS			
California Commercial Driver Handbook		Current	DMV
Instructor Created Summative Exam		Current	Instructor
Instructor Guide		2011	SFT
PowerPoint Slides on CD-ROM (Optional)		2008	SFT
Pumping Apparatus Driver/Operator Handbook		Second	CFCA or FPP
Student Supplement		2011	SFT
VENDOR			
CFCA	California Fire Chief's Association Bookstore (800-733-2314)		<a href="http://www.calchiefs.org">www.calchiefs.org</a>
FPP	Fire Protection Publications (800-654-4055)		<a href="http://www.ifsta.org">www.ifsta.org</a>
SFT	State Fire Training Online Bookstore		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## FIRE APPARATUS DRIVER/OPERATOR 1A COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on driver responsibilities, recognized standards, and related laws for fire apparatus.
- Information and techniques on basic inspections, documentation, maintenance, and troubleshooting fire apparatus.
- Information and techniques on driving and positioning fire apparatus.
- The opportunity to increase their driving skills during simulated driving conditions.

Course Content: ..... 40:00

Unit 1: Responsibilities, Standards, and Laws

Orientation and Administration ..... 1:00

Fire Apparatus Driver/Operator Responsibilities ..... 0:45

Legal Aspects of Emergency and Nonemergency Driving ..... 1:00

Unit 2: Inspection, Basic Maintenance, Documentation, and Troubleshooting

Introduction to Inspection, Basic Maintenance, and Troubleshooting ..... 0:30

Inspection and Basic Maintenance of the Driver and Crew Areas, Apparatus Body, and Compartmentation .. 0:15

Inspection and Basic Maintenance of the Frame, Axles, Steering and Suspension Systems, Driveline,

Wheels, and Tires ..... 0:15

Troubleshooting the Frame, Axles, Steering and Suspension Systems, Driveline, Wheels, And Tires ..... 0:30

Inspection and Basic Maintenance of Engine Systems ..... 0:45

Troubleshooting Engine Systems ..... 0:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE APPARATUS DRIVER/OPERATOR 1A COURSE OUTLINE

Inspection and Basic Maintenance of the Transmission and Clutch .....	0:15
Troubleshooting the Transmission and Clutch .....	0:15
Inspection and Basic Maintenance of the Starting, Charging, and Other Electrical Systems .....	0:30
Troubleshooting the Starting, Charging, and Other Electrical Systems .....	2:00
Inspection and Basic Maintenance of Brake Systems .....	1:30
Troubleshooting Brake Systems .....	1:00
Inspection and Basic Maintenance of Auxiliary and Accessory Equipment .....	0:15
Inspection Documentation and Reports .....	0:15
Pre-trip Inspection Procedures .....	2:00
Unit 3: Driving Practices	
Accident Statistics and Liability .....	0:30
Principles of Defensive Driving .....	2:00
Driving Apparatus to Incidents .....	1:00
Principles of Off-Road Driving .....	1:00
Principles of Braking and Stopping .....	0:30
Principles of Steering and Load Control .....	1:30
Driving During Adverse Weather Conditions .....	0:15
Positioning Apparatus .....	1:00
Unit 4: Mandatory Driving Exercises	
Introduction to the Mandatory Driving Exercises .....	0:30
Unit 5: Optional Driving Exercises	
Introduction to the Optional Driving Exercises .....	0:15
Practice and Testing the Driving Exercises .....	14:00
Unit Tests .....	3:00
Course Review and Summative Exam .....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Apparatus Driver/Operator 1A: Driver/Operator (2015)

**Hours:** 40

**Designed For:** Career and volunteer fire service personnel who drive and operate fire apparatus

**Description:** This course provides information on fire apparatus preventive maintenance and driving/operating. Topics include routine tests, inspections, and servicing functions, operate, back, maneuver, and turn a fire apparatus in a variety of conditions; and operate all fixed systems and equipment on a fire apparatus. This course is based on the 2014 edition of *NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications*. This course fulfills the requirements for a Class C Firefighter Endorsement.

**Prerequisites:** Hold a valid Class C driver's license (minimum)

**Certification:** Fire Apparatus Driver/Operator – Pumping Apparatus

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Stud./ Instructor Ratio:** 30:1 (Lecture);

10:1 (Skills)

**Instructor Level:** This course requires one (1) primary instructor and sufficient assistant instructors to meet the skills ratio

**Restrictions:** Sufficient fire apparatus and adequate space to accommodate the students in the class and the required skills

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
Course text is selected by instructor			
▪ Fire Apparatus Driver/Operator (ISBN:9781284026917)	OR	2 <sup>nd</sup> ed.	JB
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
▪ Personal protective clothing		3 <sup>rd</sup>	IFSTA
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire Apparatus Driver/Operator (ISBN:9781284026917)	OR	2 <sup>nd</sup> ed.	JB
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
▪ Maintenance and inspection forms		--	--
▪ Manufacturer's specifications and requirements		--	--
▪ Applicable State and local laws		--	--
▪ Instructor Activities		--	SFT
VENDORS			
IFSTA	International Fire Service Training Assn. - 800-654-4055	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett	<a href="https://www.jblearning.com">https://www.jblearning.com</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	

## DRIVER/OPERATOR 1A COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Apparatus Driver/Operator - Pumping Apparatus Certification Process



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## DRIVER/OPERATOR 1A COURSE CONTENT\*

### Unit 2: Preventive Maintenance

- Topic 2-1: Perform Routine Tests, Inspections, and Servicing Functions
- Topic 2-2: Document Routine Tests, Inspections, and Servicing Functions

### Unit 3: Driver/Operating

- Topic 3-1: Operate a Fire Apparatus
- Topic 3-2: Operate a Fire Apparatus Using Defensive Driving Techniques
- Topic 3-3: Back a Fire Apparatus from a Roadway into a Restricted Space
- Topic 3-4: Maneuver a Vehicle around Obstructions on a Roadway While Moving Forward and in Reverse
- Topic 3-5: Turn a Fire Apparatus 180 Degrees within a Confined Space
- Topic 3-6: Maneuver a Fire Apparatus in Areas with Restricted Horizontal and Vertical Clearances
- Topic 3-7: Operate All Fixed Systems and Equipment on a Fire Apparatus

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Apparatus Driver/Operator 1B: Pump Operations (2008)

**Hours:** 40

**Designed For:** Fire service emergency response personnel

**Description:** Updated to reflect the 2009 NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications and requires a textbook and student supplement. This course provides the student with information on pump construction and theory of pump operations. Topics include methods for performing basic hydraulics and techniques on basic inspections, documentation, maintenance, and troubleshooting fire pumps. Each student also has the opportunity to increase his or her pumping skills during simulated pumping conditions.

**Prerequisites:** California drivers license, Class A, B or C, with a fire fighter endorsement Fire Fighter I training recommended

**Certification:** Fire Apparatus Driver/Operator I

**Max. Class Size:** 25

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
Pumping Apparatus Driver/Operator Handbook		Second	CFCA or FPP
Student Supplement		2008	SFT
REQUIRED INSTRUCTOR MATERIALS			
Instructor Created Summative Exam		Current	Instructor
Instructor Guide		2008	SFT
PowerPoint Slides on CD-ROM (Optional)		2008	SFT
Pumping Apparatus Driver/Operator Handbook		Second	CFCA or FPP
Student Supplement		2008	SFT
VENDOR			
CFCA	California Fire Chief's Association Bookstore (800-733-2314)		<a href="http://www.calchiefs.org">www.calchiefs.org</a>
FPP	Fire Protection Publications (800-654-4055)		<a href="http://www.ifsta.org">www.ifsta.org</a>
SFT	State Fire Training Online Bookstore		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>
FIRE APPARATUS DRIVER/OPERATOR 1B COURSE OUTLINE			

Course Objectives: To provide students with...

- Information on pump construction and theory of pump operations.
- Methods for performing basic hydraulics.
- Information and techniques on inspections, documentation, maintenance, and troubleshooting.
- The opportunity to increase their pumping skills during simulated pumping conditions.

Course Content: ..... 40:00

Unit 1: Responsibilities, Standards, and Laws

Orientation and Administration ..... 1:30

Fire Apparatus Driver/Operator Responsibilities ..... 0:30

Unit 2: Fire Pump Construction and Theory

Types of Fire Pumps ..... 0:45

Pump Mounting and Drive Arrangements ..... 0:30

Pump Piping and Valves ..... 0:15

Automatic Pressure Control Devices ..... 0:15

Priming Devices ..... 0:15

Pump Panel Instrumentation ..... 0:15

Auxiliary Cooling Devices ..... 0:15

Unit 3: Hydraulics

Basic Hydraulic Terminology and Symbols ..... 0:30

Mathematics Review ..... 1:00

Characteristics of Water and Principles of Pressure ..... 0:30

Principle Features of Water Systems ..... 0:15

Nozzle Theory ..... 0:30

Calculating Gallons Per Minute ..... 0:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE APPARATUS DRIVER/OPERATOR 1B COURSE OUTLINE

Principles of Friction Loss .....	0:15
Friction Loss Formulas and Calculations .....	4:00
Pump Discharge Pressure .....	0:30
Fireground Hydraulic Calculations .....	1:00
Unit 4: Inspection, Maintenance, and Troubleshooting	
Inspecting the Pump Drive Systems .....	0:15
Inspecting the Pump Priming Systems .....	0:15
Inspecting the Pump Pressure Control Systems.....	0:15
Pump Service Testing .....	0:45
Maintenance of the Pump and Control Systems .....	1:00
Unit 5: Pump Practices	
Making the Pump Operational (From Tank).....	0:30
Transitioning to an External Water Supply.....	0:30
Operating From a Hydrant .....	0:30
Principles and Practices of Drafting Operations.....	0:30
Principles of Relay Pump Operations .....	1:30
Troubleshooting Pump Operations .....	1:00
Principles of Tandem Pump Operations .....	0:15
Principles of Dual Pumping Operations .....	0:15
Principles and Practices of Foam Operations .....	1:00
Sprinkler and Standpipe Support .....	0:30
Unit 6: Pumping Exercises	
Introduction to the Pumping Exercises.....	0:30
Practice and Testing the Pumping Exercises .....	13:00
Unit Tests .....	2:00
Course Review and Summative Exam .....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Apparatus Driver/Operator 1B: Pumping Apparatus Operations (2015)

**Hours:** 40

**Designed For:** Career and volunteer fire service personnel who drive and operate fire apparatus

**Description:** This course provides information on pumping apparatus preventive maintenance and operations. Topics include routine tests, inspections, and servicing functions; producing hand, master, and foam fire streams, relay pump operations; and supplying water to fire sprinkler and standpipe systems. This course is based on the 2014 edition of *NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications*.

**Prerequisites:** Fire Apparatus Driver/Operator 1A (2008 or 2015 version)

Successfully completed OSFM Fire Fighter I

Hold a valid Class C Firefighter Endorsed driver's license (minimum)

**Certification:** Fire Apparatus Driver/Operator – Pumping Apparatus

**Standard:** Complete all summative tests with a minimum score of 80%.

Complete all activities and formative tests.

**Max. Class Size:** 30

**Stud./ Instructor** 30:1 (Lecture);

**Ratio:** 5:1 (Skills)

**Instructor Level:** This course requires one (1) primary instructor and sufficient assistant instructors to meet the skills ratio

**Restrictions:** Sufficient fire apparatus and adequate space to accommodate the students in the class and the required skills

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
Course text is selected by instructor			
▪ Fire Apparatus Driver/Operator (ISBN:9781284026917)		2 <sup>nd</sup> ed.	JB
OR			
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
▪ Personal protective clothing		3 <sup>rd</sup>	IFSTA
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire Apparatus Driver/Operator (ISBN:9781284026917)		2 <sup>nd</sup> ed.	JB
OR			
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
▪ Maintenance and inspection forms		--	--
▪ Manufacturer's specifications and requirements		--	--
▪ NFPA 13, NFPA 13D, NFPA 13E, NFPA 13R, and NFPA 14		--	--
▪ Instructor Activities		--	SFT
VENDORS			
IFSTA	International Fire Service Training Assn. - 800-654-4055	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett	<a href="https://www.jblearning.com">https://www.jblearning.com</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	

## DRIVER/OPERATOR 1B COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Apparatus Driver/Operator - Pumping Apparatus Certification Process





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## DRIVER/OPERATOR 1B COURSE CONTENT\*

### Unit 2: Preventive Maintenance

- Topic 2-1: Perform and Document Routine Tests, Inspections, and Servicing Functions Unique to Pumping Apparatus

### Unit 3: Operations

- Topic 3-1: Produce an Effective Hand or Master Stream
- Topic 3-2: Relay Pumping Operation
- Topic 3-3: Produce a Foam Fire Stream
- Topic 3-4: Supply Water to Fire Sprinkler and Standpipe Systems

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Tillered Apparatus Operations (2015)

**Hours:** 40

**Designed For:** Career and volunteer fire service personnel who drive and operate a tillered apparatus

**Description:** This course provides information on operating a fire department aerial apparatus equipped with a tiller. Topics include practical driving exercises; and operating, positioning, and stabilizing the apparatus from both the tractor and tiller positions. This course is based on the 2014 edition of *NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications*.

**Prerequisites:** Successfully completed OSFM Fire Fighter I training  
Fire Apparatus Driver/Operator 1A (2015 or 2008 curriculum)  
Hold a valid Class C Firefighter Endorsed driver's license (minimum)

**Certification:** Fire Apparatus Driver/Operator – Tillered Apparatus

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Stud./ Instructor** 30:1 (Lecture);

**Ratio:** 10:1 (Skills)

**Instructor Level:** This course requires one (1) primary instructor and sufficient assistant instructors to meet the skills ratio

**Restrictions:** Sufficient fire apparatus and adequate space to accommodate the students in the class and the required skills

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire Apparatus Driver/Operator (ISBN:9781284026917)		2 <sup>nd</sup> ed.	JB
▪ Personal protective clothing		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire Apparatus Driver/Operator (ISBN:9781284026917)		2 <sup>nd</sup> ed.	JB
▪ Manufacturer's specifications and requirements		--	--
▪ Instructor Activities		--	SFT
VENDORS			
JB	Jones & Bartlett	<a href="https://www.jblearning.com">https://www.jblearning.com</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	

## TILLERED APPARATUS OPERATIONS COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Apparatus Driver/Operator - Tillered Apparatus Certification Process

### Unit 2: Operations

- Topic 2-1: Perform the Practical Driving Exercises
- Topic 2-2: Operate a Tillered Apparatus
- Topic 2-3: Position and Stabilize a Tillered Apparatus

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Water Tender Operations (2015)

**Hours:** 32

**Designed For:** Career and volunteer fire service personnel who drive and operate a water tender

**Description:** This course provides information on water tender preventive maintenance and operations. Topics include routine tests, inspections, and servicing functions unique to a water tender; maneuvering and positioning a water tender at a water shuttle fill site; and establishing, maneuvering, and positioning at a water shuttle dumpsite. This course is based on the 2014 edition of *NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications*.

**Prerequisites:** Hold a valid Class C Firefighter Endorsed driver's license (minimum)  
Successfully completed OSFM Fire Fighter I training  
Fire Apparatus Driver/Operator 1A (2008 or 2015 version)  
Fire Apparatus Driver/Operator 1B (2008 or 2015 version)  
Completed a minimum of four (4) hours driving a water tender  
Completed the activities from Driver/Operator 1A while driving a water tender

**Certification:** Fire Apparatus Driver/Operator – Water Tender Apparatus

**Standard:** Complete all summative tests with a minimum score of 80%.

Complete all activities and formative tests.

**Max. Class Size:** 30

**Stud./ Instructor** 30:1 (Lecture);

**Ratio:** 10:1 (Skills)

**Instructor Level:** This courses requires one (1) primary instructor and sufficient assistant instructors to meet the skills ratio

**Restrictions:** Sufficient fire apparatus and adequate space to accommodate the students in the class and the required skills

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
Course text is selected by instructor			
<ul style="list-style-type: none"> <li>Fire Apparatus Driver/Operator (ISBN:9781284026917)</li> </ul>		2 <sup>nd</sup> ed.	JB
OR			
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
<ul style="list-style-type: none"> <li>Personal protective clothing</li> </ul>		--	--
REQUIRED INSTRUCTOR MATERIALS			
<ul style="list-style-type: none"> <li>Fire Apparatus Driver/Operator (ISBN:9781284026917)</li> </ul>		2 <sup>nd</sup> ed.	JB
OR			
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
<ul style="list-style-type: none"> <li>Maintenance and inspection forms</li> </ul>		--	--
<ul style="list-style-type: none"> <li>Manufacture's specifications and requirements</li> </ul>		--	--
<ul style="list-style-type: none"> <li>Instructor Activities</li> </ul>		--	SFT
VENDORS			
IFSTA	International Fire Service Training Assn. - 800-654-4055	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett	<a href="https://www.jblearning.com">https://www.jblearning.com</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## WATER TENDER OPERATIONS COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Apparatus Driver/Operator – Water Tender Certification Process

### Unit 2: Preventive Maintenance

- Topic 2-1: Perform and Document Routine Tests, Inspections, and Servicing Functions Unique to Water Tenders

### Unit 3: Operations

- Topic 3-1: Operate a Water Tender
- Topic 3-2: Maneuver and Position a Water Tender at a Water Shuttle Fill Site
- Topic 3-3: Establish a Water Shuttle Dumpsite
- Topic 3-4: Maneuver and Position a Water Tender at an Established Water Shuttle Dumpsite

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Wildland Fire Apparatus Operations (2015)

**Hours:** 24

**Designed For:** Career and volunteer fire service personnel who drive and operate a wildland fire apparatus

**Description:** This course provides information on preventive maintenance and operation of a wildland fire apparatus. Topics include routine tests, inspections, and servicing functions on the systems and components unique to wildland fire apparatus, and operating a wildland fire apparatus and producing an effective fire stream. This course is based on the 2014 edition of *NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications*.

**Prerequisites:** Hold a valid Class C Firefighter Endorsed driver's license (minimum)  
Successfully completed OSFM Fire Fighter I training  
Fire Apparatus Driver/Operator 1A (2008 or 2015 version)  
Fire Apparatus Driver/Operator 1B (2008 or 2015 version)  
Completed a minimum of four (4) hours driving a wildland fire apparatus  
Completed the activities from Driver/Operator 1A while driving a wildland fire apparatus

**Certification:** Fire Apparatus Driver/Operator – Wildland Fire Apparatus

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Stud./ Instructor** 30:1 (Lecture);

**Ratio:** 10:1 (Skills)

**Instructor Level:** This courses requires one (1) primary instructor and sufficient assistant instructors to meet the skills ratio

**Restrictions:** Sufficient fire apparatus and adequate space to accommodate the students in the class and the required skills

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
Course text is selected by instructor			
<ul style="list-style-type: none"> <li>Fire Apparatus Driver/Operator (ISBN:9781284026917)</li> </ul>		2 <sup>nd</sup> ed.	JB
OR			
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
<ul style="list-style-type: none"> <li>Wildland Fire Apparatus Operations Student Supplement</li> </ul>		11-2015	SFT
<ul style="list-style-type: none"> <li>Personal protective clothing</li> </ul>		--	--
REQUIRED INSTRUCTOR MATERIALS			
<ul style="list-style-type: none"> <li>Fire Apparatus Driver/Operator (ISBN:9781284026917)</li> </ul>		2 <sup>nd</sup> ed.	JB
OR			
Pumping and Aerial Apparatus Driver/Operator Handbook (ISBN: 978-0879395711)		3 <sup>rd</sup> ed.	IFSTA
<ul style="list-style-type: none"> <li>Wildland Fire Apparatus Operations Student Supplement</li> </ul>		11-2015	SFT
<ul style="list-style-type: none"> <li>Maintenance and inspection forms</li> </ul>		--	--
<ul style="list-style-type: none"> <li>Manufacture's specifications and requirements</li> </ul>		--	--
<ul style="list-style-type: none"> <li>Instructor Activities</li> </ul>		--	SFT
VENDORS			
IFSTA	International Fire Service Training Assn. - 800-654-4055	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett	<a href="https://www.jblearning.com">https://www.jblearning.com</a>	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>
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## WILDLAND FIRE APPARATUS OPERATIONS COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Apparatus Driver/Operator – Wildland Fire Apparatus Certification Process

### Unit 2: Preventive Maintenance

- Topic 2-1: Perform and Document Routine Tests, Inspections, and Servicing Functions Unique to Wildland Fire Apparatus

### Unit 3: Operations

- Topic 3-1: Operate a Wildland Fire Apparatus
- Topic 3-2: Produce Effective Fire Streams

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE FIGHTING/RESCUE COURSES

**\*\*RETIRING DECEMBER 31, 2016\*\***

**Course:** Auto Extrication (1996)  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** Provides hands-on experience in the procedures and systems utilized during an automobile extrication. Subjects covered include: Auto extrication, types of hand and power tools, removing windows, opening doors, removing roofs, pulling steering wheels, moving foot pedals, raising dashboards, pulling seats, stabilization of vehicles, and simulated rescues of trapped victims.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instruct** Ratio 10:1 (for skills proficiency)  
**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
▪ None		
REQUIRED INSTRUCTOR MATERIALS		
▪ None		

### AUTO EXTRICATION COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on the incidents they might encounter and the procedures and systems used during auto extrication.
- Information on the types of auto extrication tools and their uses.
- The proper procedure for maintaining auto extrication tools.
- An opportunity to perform a rescue and use auto extrication tools during an exercise involving simulated victims and damaged vehicles.

<b>Course Content</b> .....	16:00
Introduction and Course Procedures .....	0:30
Safety Precautions .....	0:10
Auto Extrication Size-up.....	1:00
Types of Incidents That May be Encountered.....	1:00
Types of Tools and Their Application.....	1:00
Incident Command System for Auto Extrication .....	0:30
How to Remove the Front Windshield .....	0:20
How to Remove Side and Rear Windows .....	0:10
How to Open a Door Using a Panel Cutter .....	0:10
How to Open a Door Using a Spreader and Wedge .....	0:20
How to Pull a Door Using a Come-along .....	0:15
How to Remove a Roof Using an Air Chisel .....	0:10
How to Cut "A" Pillars Using a Hacksaw .....	0:10
How to Remove a Roof Using an Air Chisel, Hacksaw, and High-lift Jack .....	0:20
How to Pull a Steering Wheel Using a Come-along .....	0:15
How to Pull a Steering Wheel Using a High-lift Jack .....	0:15
How to Pull a Steering Wheel Using Seatbelts and the Hood .....	0:10
How to Pull a Steering Wheel Using a Scissor Jack .....	0:10
How to Cut a Steering Wheel Ring With a Bolt Cutter .....	0:05
How to Move Foot Pedals Using Seatbelts .....	0:10
How to Raise a Dash Using High-lift Jacks .....	0:20
How to Pull a Front Seat Using a Come-along .....	0:10
How to Pull a Front Seat Using a High-lift Jack .....	0:10
How to Take Out a "B" Pillar Using an Air Chisel .....	0:10
How to Use Cribbing to Stabilize a Vehicle .....	0:10
How to Make a Three-door Out of a Two-door for Rear Seat Rescue .....	0:15
Maintenance of Auto Extrication Tools .....	0:15
Using Auto Extrication Tools on Vehicles .....	4:00
Simulation Rescues of Trapped Victims .....	3:30





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Command and Control of the RIC Deployment (2011)

**Hours:** 8

**Designed For:** Fire officers who may be Incident Commanders at a fire fighter emergency

**Description:** This command level awareness course provides students with the terminology and methodology that is employed during a RIC deployment. Classroom simulations based on case studies allow students to participate in simulated RIC deployments. Students who wish to progress to the operational level may initiate a task book for additional experience.

**Prerequisites:** I-200, Fire Command 1A, and successful completion of pre-course work RIC Tactics or RIC Operations is recommended

**Certification:** None

**Max. Class Size:** 25

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		2010	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		2010	SFT
▪ PowerPoint Slides (Optional)		2010	SFT
▪ Student Manual		2010	SFT
VENDOR			
SFT Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>		
COMMAND AND CONTROL OF THE RIC DEPLOYMENT COURSE OUTLINE			

**Course Objectives:** To provide the student with...

- Information on rapid intervention crew terminology and the tools required to conduct a rescue operation.
- A methodology for conducting a risk management assessment of structural fire fighting critical fireground factors.
- An analysis of fire fighter line-of-duty injuries and fatalities case studies, taking into account both risk and critical fireground factors.
- A command awareness and the control techniques required to effectively manage an emergency traffic event.
- Techniques to properly manage an emergency traffic situation when fire fighters become lost or trapped inside a burning structure.

<b>Course Content</b> .....	8:00
Orientation and Administration .....	0:45
Critical Fireground Factors and the Risk Management Process.....	1:15
Fire Fighter Line-of-duty Death and Injury Case Studies.....	1:00
Command Awareness and Managing A RIC Deployment .....	1:30
Emergency Traffic Simulations .....	3:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Confined Space Rescue Awareness (1995)  
**Hours:** 7  
**Designed For:** All fire service personnel  
**Description:** This course provides instruction in identifying a permit and non-permit required confined space, the hazards associated with confined spaces, target industries and hazards, state regulations, communications, and equipment requirements. This course does not qualify participants to make permit required entries.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		1995	SFT
VENDOR			
SFT Website		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
CONFINED SPACE RESCUE AWARENESS COURSE OUTLINE			

**Course Objectives:** To provide the student with...

- Information on the codes that affect operations within confined spaces.
- Information to identify confined spaces and permit confined spaces.
- Information on the hazards of confined spaces.
- Information on the equipment and procedures required to deal with a confined space rescue safely and legally.
- Information on the basic operational positions, and their responsibilities as set forth by Cal/OSHA.

<b>Course Content</b>	7:00
Introduction to Cal/OSHA Code, Confined Space Identification and Dangers	1:30
Atmospheric Hazards and Air Monitors	1:00
Physical and Engulfment Hazards	0:30
Lock-Out/Tag-Out Procedures and Entry Permits	0:30
Ventilation Equipment and Techniques	0:30
Respiratory Equipment and Techniques	0:30
Communications Equipment and Techniques	0:30
Entrant Retrieval Equipment	0:30
Confined Space Operational Positions and Responsibilities	0:30
Course Review and Final Exam	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Emergency Response to Alternative Fuel Vehicles (2010)  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** This training program provides emergency response personnel with information for each of the alternative fuel technologies currently available, ethanol, biodiesel, natural gas, propane, and hydrogen along with electric, hybrid electric, and fuel cell vehicles.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Restrictions:** This course requires alternative fuel/energy vehicles and available refueling facilities.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ The Emergency Response Guide to Alternative Fuel Vehicles		2009	SFT Website
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		2010	SFT Website
▪ PowerPoint		2010	SFT Website
VENDOR			
SFT Website	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## EMERGENCY RESPONSE TO ALTERNATIVE FUEL VEHICLES COURSE OUTLINE

**Course Objectives:** To provide the student with...

- An overview of the social, economic and ecological issues of alternative fuel vehicles
- Information on the hazards associated with each fuel/energy source
- Techniques to identify alternative fuel/energy vehicles
- Information on the safety features and components of the refueling facilities
- An application of standard operating guidelines to new fuel/energy vehicle technologies

<b>Course Content</b>	16:00
Introduction and Course Procedures	0:30
Introduction to Internal Combustion Vehicles	0:15
Ethanol Fuel	1:00
Biodiesel	0:45
Compressed Natural Gas (CNG)	1:00
Liquefied Natural Gas Propane (LNG)	1:00
Propane	0:30
Hydrogen	1:00
Introduction to Electric Vehicles	0:15
Electric Vehicles	1:00
Hybrid Electric Vehicles	0:30
Hybrid Electric Buses	0:30
Fuel Cell Vehicles	1:00
Introduction to Emergency Response	0:15
Alternative Fuel Vehicle Emergencies & Fires	1:00
Extrication Safety & Organization	2:00
Vehicle & Refueling Activities	4:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Fire Control 1: Basic Fire Chemistry (1996)  
**Hours:** 16  
**Designed For:** All entry-level fire service personnel  
**Description:** This course is a basic overview of fire chemistry and fire behavior designed for the beginning or a volunteer fire fighter. Includes: Classes of fire, fundamentals of heat transfer, fire characteristics of materials, products of combustion, hazardous and explosive materials, extinguishing agents, size-up, and exposure protection.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
▪ None		
REQUIRED INSTRUCTOR MATERIALS		
▪ None		

## FIRE CONTROL 1 COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Information on how and why fires start.
- Information on how and why fires spread.
- Information on how and why fires are controlled.

<b>Course Content</b>	16:00
1. Course Introduction	0:30
2. Classes of Fire	0:30
3. Fundamentals of Combustion	1:00
4. Fundamentals of Heat Transfer	0:30
5. Fundamentals of Extinguishment	0:30
6. Fire Characteristics of Ordinary Combustible Solids	0:30
7. Fire Characteristics of Flammable and Combustible Solids	0:30
8. Products of Combustion	1:00
9. Hazardous and Explosive Materials	1:00
10. Effects of Extinguishing Agent Application	1:00
11. Procedures for Size-Up	1:00
12. Rescue Techniques	1:00
13. Exposure Protection Tactics	1:00
14. Ventilation Methods and Procedures	1:00
15. Methods Used to Confine Fire	1:00
16. Methods Used to Extinguish Fire	1:00
17. Methods Used to Overhaul Fire	0:30
18. Salvage Operations	1:00
19. Pre-Fire Plans	1:00
20. Methods Used to Attain Additional Assistance During Multiple Alarm Fires	0:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Fire Control 2: Basic Operations – Structural (1996)  
**Hours:** 16  
**Designed For:** All entry-level fire service personnel  
**Description:** A hands-on course designed to provide the student with information, methods, and techniques for operating basic fire fighting tools and carrying out basic fire fighting evolutions. Areas covered include Hose, nozzles, and fittings, ground ladders, self-contained breathing apparatus, pump operations in theory, pump operations in the field, and the use of fire extinguishers.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
▪ None		
REQUIRED INSTRUCTOR MATERIALS		
▪ None		

## FIRE CONTROL 2 COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Information on the types of tools used for basic fire operations.
- Methods and techniques for utilizing basic fire fighting tools.
- Methods and techniques for maintaining basic fire fighting tools.
- Information and utilization of pump operations and procedures.

<b>Course Content</b> .....	16:00
Introduction to Basic Operations .....	1:00
Use of Hose Nozzle and Fittings .....	2:30
Use of Ground Ladders .....	2:30
Use of Self Contained Breathing Apparatus .....	2:30
Pump Operations in Theory .....	2:30
Pump Operations in the Field .....	2:30
Use of Fire Extinguishers .....	2:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Fire Control 3A: Structural Fire Fighting in Acquired Structures (2009)  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** This course is designed to develop fundamental skills in combating structure fires by providing the students with a thorough understanding of fire behavior, ventilation procedures and techniques, interior fire attack, and exterior fire attack. In many cases, this will be the fire fighter's first exposure to live structural fire fighting. The structures used in class are generally donated buildings with a written agreement between the owner and the authority having jurisdiction (AHJ) specifying the live fire training that will be conducted and acknowledges the expected condition of the structure upon completion of the training.  
**Prerequisites:** Fire Control 2 (recommended)  
**Certification:** None  
**Max. Class Size:** Dependent on the number of structures and size of the burn  
**Student/Instructor Ratio:** 10:1 (Skills Proficiency)  
**Restrictions:** This course requires both a Primary Coordinator and a Senior Coordinator. This course also requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Course Guide		2009	SFT Website
VENDORS			
SFT Website	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE CONTROL 3A COURSE OUTLINE

**Course Objectives:** To provide the student with hands-on fire fighting experience in four mandatory exercises...

- Fire behavior.
- Interior attack.
- Ventilation.
- Exterior attack.

<b>Course Content</b>	8:00
Introduction and Briefing	0:30
Fire Behavior Exercise	2:00
Ventilation Exercise	2:00
Interior Attack Exercise	1:30
Exterior Attack Exercise	1:30
Debriefing	0:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Fire Control 3B: Structural Fire Fighting in Live-fire Simulators (2009)  
**Hours:** 8-16  
**Designed For:** All fire service personnel  
**Description:** This course is designed to develop fundamental skills in combating structure fires by providing the students with a thorough understanding of fire behavior, ventilation procedures and techniques, interior fire attack, and exterior fire attack using a live-fire simulator. In many cases, this will be the fire fighter's first exposure to live structural fire fighting.  
**Prerequisites:** Fire Control 2 (recommended)  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instructor Ratio:** 10:1 (Skills Proficiency)  
**Restrictions:** This course requires both a Primary Coordinator and a Senior Coordinator. This course also requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Course Guide		2009	SFT Website
VENDORS			
SFT Website	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE CONTROL 3B COURSE OUTLINE

**Course Objectives:** To provide the student with hands-on fire fighting experience in four mandatory exercises...

- Fire behavior.
- Interior attack.
- Ventilation.
- Exterior attack.

<b>Course Content</b> .....	8:00
Introduction and Briefing .....	0:30
Fire Behavior Exercise.....	2:00
Ventilation Exercise.....	2:00
Interior Attack Exercise .....	1:30
Exterior Attack Exercise .....	1:30
Debriefing .....	0:30





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

**Course:** Fire Control 4: Oil and Gas Fire Fighting (1997)  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** This course utilizes live fire situations to hands-on experience in combating fire involving LPG and flammable liquids. Topics include flammable liquid and gas fire behavior, safety, extinguishing agents, transportation fires, water flow requirements, and live fire fighting.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instructor Ratio:** 10:1 (Skills Proficiency)  
**Restrictions:** This course requires both a Primary Coordinator and a Senior Coordinator. This course also requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
▪ None		
REQUIRED INSTRUCTOR MATERIALS		
▪ None		

## FIRE CONTROL 4 COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Information on the concept of chemistry of foam for fire suppression.
- Information on the use of proportional and nonproportional concentrate injection systems.
- Methods for operation and performance of fog nozzles, aspirating nozzles, and foam tubes (NAFS) as well as compressed air foam systems (CAFS).
- Information on application techniques, current research, and report on the use of Class B foaming agents for urban, rural, refinery, and pipeline emergencies.

<b>Course Content</b> .....	16:00
Introduction .....	0:30
Characteristics of Flammable Liquids .....	0:30
Resources Available for Spills Without Fire .....	0:15
Safety Procedures for Foam Application .....	0:15
Foaming Agents .....	1:00
Introduction to Pipeline Related Emergencies .....	1:00
Eductors, Proportioners, and Systems .....	1:00
Aspirating Nozzles and Foam Delivery .....	0:15
Flammable Liquids Case Histories and Review .....	1:15
Field Exercises .....	10:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

<b>Course:</b>	Fire Control 4: Controlling Ignitable Liquids and Gases (2015)
<b>Hours:</b>	16
<b>Designed For:</b>	Individuals pursuing SFT Firefighter II certification
<b>Description:</b>	This course provides the knowledge and skills that prepare a firefighter to extinguish an ignitable liquid fire, control a flammable gas fire, and develop an incident action plan for a pipeline emergency.
<b>Prerequisites:</b>	SFT Firefighter I training (completion of education requirements) SFT or CSTI – Fire Responder Hazmat Operational (FRO)
<b>Certification:</b>	None
<b>Standard:</b>	Complete all activities and skills
<b>Max. Class Size:</b>	Determined by student/instructor ratio
<b>Stud./Instructor</b>	∞:1 (Lecture/Activities);
<b>Ratio:</b>	5:1 (Skills: 1 senior, 1 primary, and as many assistant instructors needed to meet the 5:1 ratio )
<b>Restrictions:</b>	This course requires both a Primary and a Senior Instructor (Senior cannot function as both the Senior and Primary Instructor). Other Restrictions - See <b>Facilities, Equipment, and Personnel requirements</b> section of the Course Plan

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Textbook is selected by the instructor		--	--
▪ Pipeline Emergencies (Noll, Gregory G., Hildebrand, Michael S., ISBN: 1-932235-08-6)		2 <sup>nd</sup> ed.	Many
▪ Emergency Response Guide (U.S. Depart. Of Transportation)		Current	DOT
▪ Full structural personal protective equipment (including SCBA)		--	--
REQUIRED INSTRUCTOR MATERIALS			
Select <b>one</b> of the following:			
▪ Fundamentals of FF Skills (including Instructor's Toolkit DVDs) (ISBN: 978-4496-7085-6)		3 <sup>rd</sup> ed.	JB
▪ Essentials of FF and Fire Department Operations (ISBN: 978-013-3140804)		6 <sup>th</sup> ed.	Many
▪ Fire Engineering's Handbook for FF I and FF II (including Instructor Guide & Sample Skills Drills DVDs) (ISBN: 978-1-59370-135-2)		1 <sup>st</sup> ed.	Many
▪ Pipeline Emergencies (Noll, Gregory G., Hildebrand, Michael S., ISBN: 1-932235-08-6)		2 <sup>nd</sup> ed.	Many
▪ Emergency Response Guide (U.S. Depart. Of Transportation)		Current	DOT
▪ Full structural personal protective equipment (including SCBA)		--	--
VENDORS			
DOT	Dept. of Transportation	<a href="http://phmsa.dot.gov">http://phmsa.dot.gov</a>	
JB	Jones and Bartlett	<a href="http://www.jblearning.com">http://www.jblearning.com</a>	

## FIRE CONTROL 4 COURSE OUTLINE

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration

### Unit 2: Ignitable Liquid Fires

- Topic 2-1: Extinguishing an Ignitable Liquid Fire with Foam



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE CONTROL 4 COURSE OUTLINE

### Unit 3: Flammable Gas Fires

- Topic 3-1: Controlling a Flammable Gas Fire

### Unit 4: Pipeline Emergencies

- Topic 4-1: Identifying Pipeline Regulations
- Topic 4-2: Identifying Pipeline Regulations
- Topic 4-3: Identifying Hazards Associated with Liquid Pipeline Products
- Topic 4-4: Identifying Hazards Associated with Gas Pipeline Products
- Topic 4-5: Developing an Incident Action Plan

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

**Course:** Fire Control 4A: Flammable Gases Fire Fighting (1996)  
**Hours:** 6  
**Designed For:** All fire service personnel  
**Description:** This course utilizes the flammable liquids and gas (FLAG) trailer to generate live fire situations and provide hands-on experience in combating fires involving flammable gases. Subjects include flammable gas fire behavior, safety, control methods and extinguishing agents, transportation fires, and water flow requirements.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instructor Ratio:** 10:1 (Skills Proficiency)  
**Restrictions:** This course requires both a Primary Coordinator and a Senior Coordinator. This course also requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		1996	SFT
VENDORS			
SFT	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>		

## FIRE CONTROL 4A COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Information on the characteristics and hazards of flammable gases.
- Methods and procedures on handling flammable gases whether involved in fire or not.
- An opportunity to utilize control methods on flammable gases.

<b>Course Content</b> .....	6:00
Course Introduction and Administration .....	0:30
Characteristics of Flammable Gases .....	0:30
Hazards of Flammable Gases .....	0:30
Tactics to Utilize on Flammable Gases Not Involved With Fire .....	0:30
Tactics to Utilize on Flammable Gases Involved With Fire .....	0:30
BLEVE Situations .....	0:30
Field Exercises.....	3:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

**Course:** Fire Control 4B: Flammable Liquids Fire Fighting (1996)  
**Hours:** 6  
**Designed For:** All fire service personnel  
**Description:** This course utilizes the flammable liquids and gas (FLAG) trailer to generate live fire situations and provide hands-on experience in combating flammable and combustible liquid fires. Subjects include fire behavior, safety, control methods and extinguishing agents, transportation fires, and water flow requirements.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instructor Ratio:** 10:1 (Skills Proficiency)  
**Restrictions:** This course requires both a Primary Coordinator and a Senior Coordinator. This course also requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		1996	SFT
VENDORS			
SFT	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>		

## FIRE CONTROL 4B COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Information on the characteristics and hazards of flammable liquids.
- Methods and procedures on handling flammable liquids whether involved or not involved with fire.
- Laws and regulations pertaining to flammable liquids in California and at the national level.
- An opportunity to utilize control methods on flammable liquids.

<b>Course Content</b> .....	6:00
Course Introduction and Administration .....	0:30
Characteristics of Flammable Liquids .....	0:30
Hazards of Flammable Liquids .....	0:30
Tactics to Utilize on Flammable Liquids Not Involved With Fire .....	0:30
Tactics to Utilize on Flammable Liquids Involved With Fire. ....	0:30
Case Studies of Flammable Liquid Incidents .....	0:30
Field Exercises.....	3:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

**Course:** Fire Control 4A and 4B: Flammable Gases and Liquids Fire Fighting (1996)  
**Hours:** 8  
**Designed For:** All fire service personnel  
**Description:** This course utilizes the flammable liquids and gas (FLAG) trailer to generate live fire situations and provide hands-on experience in combating flammable and combustible liquid fires. Subjects include fire behavior, safety, control methods and extinguishing agents, transportation fires, and water flow requirements.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instructor Ratio:** 10:1 (Skills Proficiency)  
**Restrictions:** This course requires both a Primary Instructor and a Senior Instructor. This course also requires a site with adequate materials, equipment, and FLAG trailer to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS		EDITION	VENDORS
▪ Instructor Guide		1996	SFT
VENDORS			
SFT	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>		

## FIRE CONTROL 4A/4B COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Information on the characteristics and hazards of flammable gases and liquids.
- Methods and procedures on handling flammable gases and liquids whether involved in fire or not.
- Laws and regulations pertaining to flammable liquids in California and at the national level.
- An opportunity to utilize control methods on flammable gases and liquids.

<b>Course Content</b> .....	8:00
Course Introduction and Administration .....	0:30
Characteristics of Flammable Gases and Liquids .....	0:45
Hazards of Flammable Gases and Liquids .....	0:45
Tactics to Utilize on Flammable Gases and Liquids Not Involved With Fire .....	0:45
Tactics to Utilize on Flammable Gases and Liquids Involved With Fire .....	0:45
BLEVE Situations .....	0:30
Case Studies of Flammable Liquid Incidents .....	0:30
Field Exercises .....	3:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Fire Control 5: Aircraft Rescue and Fire Fighting (1988)  
**Hours:** 16 without a live burn or 24 with a live burn  
**Designed For:** All fire service personnel  
**Description:** This course provides students with the methods and techniques necessary for crash fire rescue services at airports. Subjects include using conventional fire and specialized CFR apparatus, CFR extinguishing agents, types of aircraft, standby procedures, aqueous film forming foam, dual agent systems, and operations at crash scenes. The 24-hour class delivery includes a live burn.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instructor Ratio:** 10:1 (Skills Proficiency)  
**Restrictions:** This course requires a Senior Instructor if the class includes the live burn. This course also requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
Instructor Guide		Current	SFT
VENDORS			
SFT	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE CONTROL 5 COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Information on organizing and equipping an airport CFR service.
- Information on procedures and techniques for CFR operations.
- The methods and techniques of utilizing CFR tools and equipment.
- Proper procedures on the maintenance and storage of CFR tools and equipment.

<b>Course Content</b>	24:00
Identify Organization of an Airport CFR System	0:30
Identify Types of Specialized Tools and Equipment Used for CFR	0:20
Utilizing Conventional Fire Apparatus and Equipment for CFR	0:20
Identify Types of Extinguishing Agents Used for CFR	0:30
Identify Types of Aircraft	0:30
Identify Safety Procedures When Working With Aircraft	0:20
Describe Standby Procedures for Incoming Aircraft With Possible CFR Problems	0:30
Identify Methods of Positioning Apparatus and Personnel at the CFR Scene	1:00
Operate Dry and CO2 Chemical Fire Extinguishers	1:00
Operate Pressurized Water Fire Extinguishers With AFFF Additive	1:00
Operate Dry Chemical and PW With AFFF Extinguishers in Dual Agent Application	1:30
Operate Conventional and Specialized CFR Apparatus	2:00
Use a Refractometer to Verify Proper Foam Delivery	0:30
Position Apparatus for CFR Standby Position	2:00
Position Apparatus at an On-Field Crash Position	2:00
Use Specialized CFR Apparatus to Control an On-Field Crash	4:00
Use Conventional Apparatus to Control an On-Field Crash	4:00
Recharge Specialized CFR Apparatus	0:30
Inspect and Maintain Specialized CFR Apparatus	1:00
Store Airport CFR Apparatus	0:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Fire Control 6: Wildland Fire Fighting Essentials (1992)  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** This course provides information, methods, and techniques for the utilization of the California Fire and Rescue Mutual Aid Plan, Incident Command System, wildland fire fighting strategy and tactics, structure triage, terminology, survival skills and operating safely in a wildland fire-fighting incident.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		1992	SFT
VENDORS			
SFT	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE CONTROL 6 COURSE OUTLINE

**Course Objectives:** To provide the student with...

- An overview of the California Fire and Rescue Mutual Aid Plan and their responsibilities participating in a strike team.
- Information using the ICS during emergency operations while responding as strike team.
- A variety of methods and techniques to operate in a wildland suppression effort with safety.
- An opportunity to apply major principles of strategy and tactics in wildland fire fighting operations.
- The tactics and methods to provide structure protection during wildland fire suppression.
- Wildland fire fighting survival skills for potential extreme wildland fire conditions.

<b>Course Content</b>	16:00
Orientation and Administration	0:30
Wildland/Urban Interface Fire	1:00
Concepts of ICS Organization	2:00
State Fire and Rescue Mutual Aid Plan	1:00
Surviving the Strike Team Response	1:00
"Agency Specific" Strike Team Standard Operating Procedures	1:00
Wildland Fire Terminology	0:30
Factors Affecting Wildland Fires	1:00
Defensive and Offensive Strategies in Wildland Fire Fighting	0:30
The Use of Direct and Indirect Attacks on Wildland Fires	0:30
Structure Triage	1:00
Using Structures and Vehicles for Refuge in Wildland Fires	0:30
Wildland Fire Safety	1:00
Safety Precautions to Be Used Around Aircraft	0:30
Fundamentals of Fire Shelters	2:00
How to Deploy Fire Shelters	0:30
Course Review and Evaluation	1:30





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Fire Control 7: Wildland Fire Fighting  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** This course provides hands-on experience in fighting wildland or agricultural crop fires. Exercises include: Fire behavior, hand tools, helicopter support, dozer operations, mobile pumping, backfiring/burning out safety, progressive hose lays, water tender shuttle, initial attack, and wildland fire investigation.  
**Prerequisites:** Fire Control 6 (recommended)  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instructor:** Ratio: 10:1 (Skills Proficiency)  
**Restrictions:** This course requires both a Primary Instructor and a Senior Instructor. This course also requires a site with adequate materials and equipment to deliver the training according to the course outline. A course outline must be submitted and approved by State Fire Training.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ None			
FIRE CONTROL 7 COURSE OUTLINE			
▪ None			



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Fighter I (2013)

**Hours:** 394:30

**Designed For:** Entry level fire fighter

**Description:** This course provides the skills and knowledge needed for the entry level professional fire fighter to perform his/her duties safely, effectively, and competently. The curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications, the 2012 edition of NFPA 1051 Standard for Wildland Fire Fighter Professional Qualifications, and the 2008 edition of NFPA 472 Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents. The seven overarching themes of the California State Fire Fighter I curriculum are: general knowledge germane to the profession, fire department communications, fireground operations, rescue operations, preparedness and maintenance, wildland suppression activities, and hazardous materials/WMD..

**Prerequisites:** Minimum of Public Safety First Aid and CPR (CA Health and Safety Code 1797.182)

**Corequisites:** Confined Space Awareness (CA Code of Regulations, Title 8, Section 5157)  
Introduction to the Incident Command System (ICS-100), FEMA  
National Incident Management System, An Introduction (IS-700.A), FEMA

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%. Complete all mandatory skills testing.

**Max. Class Size:** 50

**Instructor Level:** Training Instructor 1A and 1B

**Instructor/** 1:50 (Lecture); 1:10 (Skills)

**Student Ratio:**

**Restrictions:** None

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
<ul style="list-style-type: none"> <li>Fundamentals of Fire Fighter Skills (Jones and Bartlett Learning, Third Edition, ISBN: 978-1-4496-7085-6), <b>OR:</b> Essentials of Fire Fighting and Fire Department Operations (Stowell, Frederick M., Murnane, Lynne, Brady Publishing, a division of Pearson Education, Sixth Edition, ISBN: 978-013-3140804), <b>OR:</b> Fire Engineering's Handbook for Fire Fighter I and Fire Fighter II (Corbett, Glenn, PennWell Corporation, First Edition, ISBN: 978-1-59370-135-2)</li> </ul>	Various	Various
<ul style="list-style-type: none"> <li>Firefighters Handbook on Wildland Firefighting (Teie, Willam C, Deer Valley Press, Third Edition, ISBN: 978-1-59370-135-2)</li> </ul>	3 <sup>rd</sup>	Various
<ul style="list-style-type: none"> <li>The New Generation Fire Shelter, NFES 2710, March 2003 Edition</li> </ul>	--	NWCG
<ul style="list-style-type: none"> <li>Incident Response Pocket Guide, NFES 001077, Current Edition</li> </ul>	--	NWCG
<ul style="list-style-type: none"> <li>IS-100 Introduction to Incident Command System, I-100, Student Manual</li> </ul>	--	FEMA <sup>1</sup>
<ul style="list-style-type: none"> <li>IS-700 National Incident Management System, An Introduction, Student Manual</li> </ul>	--	FEMA <sup>2</sup>
<ul style="list-style-type: none"> <li>Full structural and wildland personal protective equipment</li> </ul>	--	--
REQUIRED INSTRUCTOR MATERIALS		
<ul style="list-style-type: none"> <li>Firefighters Handbook on Wildland Firefighting (Teie, Willam C, Deer Valley Press, Third Edition, ISBN: 978-1-59370-135-2)</li> </ul>	3 <sup>rd</sup>	Various



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

<ul style="list-style-type: none"> <li>Fundamentals of Fire Fighter Skills (Jones and Bartlett Learning, Third Edition, ISBN: 978-1-4496-7085-6), <b>OR:</b> Essentials of Fire Fighting and Fire Department Operations (Stowell, Frederick M., Murnane, Lynne, Brady Publishing, a division of Pearson Education, Sixth Edition, ISBN: 978-013-3140804), <b>OR:</b> Fire Engineering's Handbook for Fire Fighter I and Fire Fighter II (Corbett, Glenn, PennWell Corporation, First Edition, ISBN: 978-1-59370-135-2)</li> </ul>	Various	Various
<ul style="list-style-type: none"> <li>The New Generation Fire Shelter, NFES 2710, March 2003 Edition</li> </ul>	--	NWCG
<ul style="list-style-type: none"> <li>Incident Response Pocket Guide, NFES 001077, Current Edition</li> </ul>	--	NWCG
<ul style="list-style-type: none"> <li>IS-100 Introduction to Incident Command System, I-100, Instructor Manual</li> </ul>	--	FEMA <sup>1</sup>
<ul style="list-style-type: none"> <li>IS-700 National Incident Management System, An Introduction, Instructor Manual</li> </ul>	--	FEMA <sup>2</sup>
<ul style="list-style-type: none"> <li>Various Instructor Resources</li> </ul>	Current	SFT

## VENDORS

FEMA <sup>1</sup>	Federal Emergency Management Agency	<a href="http://training.fema.gov/EMIweb/IS/is100lst.asp">http://training.fema.gov/EMIweb/IS/is100lst.asp</a>
FEMA <sup>2</sup>	Federal Emergency Management Agency	<a href="http://training.fema.gov/EMIWeb/is/is700alst.asp">http://training.fema.gov/EMIWeb/is/is700alst.asp</a>
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/firefighter2013.php">http://osfm.fire.ca.gov/training/firefighter2013.php</a>

## FIRE FIGHTER I COURSE OUTLINE

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Fighter I Certification Process
- Topic 1-3: General Knowledge Requirements

### Unit 2: Fire Fighter Safety

- Topic 2-1: Health and Safety
- Topic 2-2: Structural Personal Protective Ensemble
- Topic 2-3: Self-Contained Breathing Apparatus
- Topic 2-4: Responding on an Apparatus
- Topic 2-5: Operating at an Emergency Scene

### Unit 3: Communications

- Topic 3-1: Operating a Phone in a Non-emergency Situation
- Topic 3-2: Initiating a Response to an Emergency
- Topic 3-3: Operating Fire Department Radios

### Unit 4: Fire Tools and Equipment

- Topic 4-1: Ropes and Knots
- Topic 4-2: Hand and Power Tools
- Topic 4-3: Portable Electric and Lighting Equipment
- Topic 4-4: Maintenance



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## Unit 5: Structural Fire Suppression

- Topic 5-1: Building Construction and Related Hazards
- Topic 5-2: Fire Behavior
- Topic 5-3: Fire Extinguishers
- Topic 5-4: Water Supply Systems
- Topic 5-5: Fire Hose
- Topic 5-6: Utility Control at Emergencies
- Topic 5-7: Ground Ladder Operations
- Topic 5-8: Forcible Entry
- Topic 5-9: Structure Fire Search and Rescue Operations
- Topic 5-10: Structural Fire Fighting Operations
- Topic 5-11: Horizontal Ventilation Operations
- Topic 5-12: Vertical Ventilation Operations
- Topic 5-13: Property Conservation
- Topic 5-14: Overhaul

## Unit 6: Fire Fighter Survival

- Topic 6-1: Structural Fire Fighter Survival

## Unit 7: Suppression of Fire Outside of a Structure

- Topic 7-1: Exterior Fires
- Topic 7-2: Passenger Vehicle Fires

## Unit 8: Wildland Fire Suppression

- Topic 8-1: Wildland Response
- Topic 8-2: Wildland Personal Protective Equipment
- Topic 8-3: Wildland Tools and Equipment
- Topic 8-4: Wildland Fire Behavior
- Topic 8-5: Wildland Fire Safety
- Topic 8-6: Wildland Human Factors on the Fireline
- Topic 8-7: Wildland Suppression
- Topic 8-8: Reinforcing a Fireline
- Topic 8-9: Wildland Urban Interface
- Topic 8-10: Mop-up Operations
- Topic 8-11: Conducting Patrols

## Unit 9: Hazardous Materials/WMD

- Topic 9-1: Recognizing Hazardous Materials/WMD
- Topic 9-2: Identifying/Analyzing Hazardous Materials/WMD Incidents
- Topic 9-3: Emergency Decontamination
- Topic 9-4: Mitigating a Hazardous Materials/WMD Incident

**\*This is an abbreviated Course Plan. Terminal and Enabling Learning Objectives can be found on the full version located on the SFT website at: <http://osfm.fire.ca.gov/training/firefighter2013.php>**



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*CURRICULUM DISCONTINUED DECEMBER 31, 2016\*\***

**Fire Fighter II (2001)**  
**Hours:** 111 plus manipulative performance testing  
**Designed For:** Probationary fire fighters  
**Description:** This course expands upon the depth of knowledge provided to those fire service personnel certified to the Fire Fighter I level. It includes information, techniques, and methods of essential and advanced fireground tasks, rescue operations, inspection and maintenance of hand, power, and hydraulic tools, techniques for educating the public.  
**Prerequisites:** Fire Fighter I  
**Certification:** Fire Fighter II  
**Max. Class Size:** Department determination  
**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Various Fire Service Training Manuals (refer to Instructor Guide)			CFCA or FPP Delmar JB FIREScope NWCG
REQUIRED INSTRUCTOR MATERIALS		EDITION	VENDORS
▪ Instructor Guide		2001	SFT
▪ Fire Fighter II Training Record (available on-line)		2001	SFT
VENDOR			
CFCA	California Fire Chief's Association Bookstore (800-733-2314)		www.calchiefs.org
Delmar	Delmar Thomson Learning (800-347-7707)		esales@thomsonlearning.com
FIREScope	Firefighting Resources of California Organized for Potential		www.firescope.org
FPP	Fire Protection Publications (800-654-4055)		www.ifsta.org
JB	Jones and Bartlett Publishers (800-832-0034 x2)		www.jbpub.com
NWCG	National Wildlife Coordinating Group (208-387-5119)		www.nwcg.gov
SFT	State Fire Training Website		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Fighter II (2013)

**Hours:** 120:00

**Designed For:** Fire Fighter I

**Description:** This course provides the skills and knowledge needed for the entry level professional fire fighter to perform his/her duties safely, effectively, and competently. The curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications. The five overarching themes of the California State Fire Fighter II curriculum are: general knowledge germane to the profession, fire department communications, fireground operations, rescue operations, and prevention, preparedness, and maintenance.

**Prerequisites:** Certified Fire Fighter I

**Corequisites:** None

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%. Complete all mandatory skills testing.

**Max. Class Size:** 50

**Instructor Level:** Training Instructor 1A and 1B

**Instructor/** 1:50 (Lecture); 1:10 (Skills)

**Student Ratio:**

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
<ul style="list-style-type: none"><li>Fundamentals of Fire Fighter Skills (Includes Instructor's Toolkit DVDs) (Jones and Bartlett Learning, Third Edition, ISBN: 978-1-4496-7085-6) <b>OR:</b> Essentials of Fire Fighting and Fire Department Operations (Stowell, Frederick M., Murnane, Lynne, Brady Publishing, a division of Pearson Education, Sixth Edition, ISBN: 978-013-3140804) <b>OR:</b> Fire Engineering's Handbook for Fire Fighter I and Fire Fighter II (Includes Instructor Guide &amp; Sample Skills Drills DVDs) (Corbett, Glenn, PennWell Corp., First Ed., ISBN: 978-1-59370-135-2)</li></ul>		Various	Various
<ul style="list-style-type: none"><li>Full structural and wildland personal protective equipment</li></ul>		--	--
REQUIRED INSTRUCTOR MATERIALS			
<ul style="list-style-type: none"><li>Fundamentals of Fire Fighter Skills (Includes Instructor's Toolkit DVDs) (Jones and Bartlett Learning, Third Edition, ISBN: 978-1-4496-7085-6), <b>OR:</b> Essentials of Fire Fighting and Fire Department Operations (Stowell, Frederick M., Murnane, Lynne, Brady Publishing, a division of Pearson Education, Sixth Edition, ISBN: 978-013-3140804), <b>OR:</b> Fire Engineering's Handbook for Fire Fighter I and Fire Fighter II (Includes Instructor Guide and Sample Skills Drills DVDs) (Corbett, Glenn, PennWell Corporation, First Edition, ISBN: 978-1-59370-135-2)</li></ul>		Various	Various
<ul style="list-style-type: none"><li>Skill Sheets</li></ul>		Current	SFT
VENDORS			
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/firefighter2013.php">http://osfm.fire.ca.gov/training/firefighter2013.php</a>	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE FIGHTER II COURSE OUTLINE

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Fighter II Certification Process
- Topic 1-3: General Knowledge Requirements

### Unit 2: Fire Department Communications

- Topic 2-1: Completing Incident Reports
- Topic 2-2: Basic Company Communications

### Unit 3: Fireground Operations

- Topic 3-1: Extinguishing an Ignitable Liquid Fire
- Topic 3-2: Controlling a Flammable Gas Cylinder Fire
- Topic 3-3: Coordinating an Interior Attack Line
- Topic 3-4: Protecting Evidence of Fire Cause and Origin

### Unit 4: Rescue Operations

- Topic 4-1: Vehicle Extrication
- Topic 4-2: Assisting in Rescue Operations

### Unit 5: Prevention, Preparedness, and Maintenance

- Topic 5-1: Performing a Fire Safety Survey at a Private Dwelling
- Topic 5-2: Presenting Fire Safety Information
- Topic 5-3: Preparing Preincident Surveys
- Topic 5-4: Maintaining Power Equipment
- Topic 5-5: Performing Annual Hose Service Test

**\*This is an abbreviated Course Plan. Terminal and Enabling Learning Objectives can be found on the full version located on the SFT website at: <http://osfm.fire.ca.gov/training/firefighter2013.php>**





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Fighter Survival (2010)

**Hours:** 16

**Designed For:** All fire service personnel

**Description:** This course was developed in the continuing effort to reduce the number of fire fighter injuries and fatalities that occur on an annual basis and provides a greater understanding how to avoid committing fatal errors on the fireground. Avoiding situations that could cause you to become lost trapped, or injured is the best way to prevent tragedies at a fire scene. Topics include fire fighter survival terminology, developing a survival attitude, increasing situational awareness, and being trained in problem-solving techniques so you can become more self-reliant in an emergency. Case studies will be reviewed to outline factors common in many line-of-duty deaths (LODDs) across the nation.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** Student/Instructor ratio is 10:1 (40 student's maximum with four Primary Instructors)

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Instructor/Student Manual (combined document)		2010	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor/Student Manual (combined document)		2010	SFT
▪ PowerPoint Slides (Optional)		2010	SFT
VENDOR			
SFT	State Fire Training Online Bookstore	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE FIGHTER SURVIVAL COURSE OUTLINE

Course Objectives: To provide the student with...

- Fire fighter survival terminology.
- Knowledge of the federal government involvement to reduce fire fighter injuries and fatalities and the guidelines and laws put in place from tragic fire loss events.
- Fire fighter fatality case study recommendations to enhance fire fighter training to handle their own emergencies on the fireground.
- Techniques for developing fire fighter survival attitude and identify personal equipment that fire fighters should carry in their possession for self-preparedness measures.
- Situational awareness to prevent the fire fighter emergency and recognize critical structural fireground factors.
- Knowledge and the application of "When to call a fire fighter emergency" and emergency communications when fire fighters become lost, trapped, or disoriented inside a burning structure.
- SCBA knowledge and techniques for air awareness and SCBA air emergencies, and applying them during hands-on evolutions.

Course Content .....	16:00
Orientation and Administration .....	1:00
Developing A Survival Attitude .....	0:45
Preventing the Fire Fighter Emergency .....	0:45
The Fire Fighter Emergency .....	0:45
SCBA Emergencies .....	0:45
Fire Fighter Survival Skills.....	8:00
▪ #1: SCBA Emergency Procedure Check	
▪ #2: Calling "Mayday"	
▪ #3: Reading Couplings	
▪ #4: Window Hang	
▪ #5: Hose Slide	
▪ #6: Emergency Ladder Escape – Hook-two/Slide-to-four Method	
▪ #7: Entanglement Emergencies – Swim or Sweep Method	
▪ #8: Entanglement Emergencies – SCBA Removal Method	
▪ #9: Wall Breach	
▪ #10: Changing Your SCBA Profile – Non-removal Method	





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE FIGHTER SURVIVAL COURSE OUTLINE

- #11: Changing Your SCBA Profile – Low or Reduced Profile (Partial-removal Method)
- #12: Changing Your SCBA Profile – Zero or No Profile (Full-removal Method)

Fire Fighter Survival Evolutions ..... 4:00

- #1: SCBA Confidence Course
- #2: SCBA Awareness

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## Fireline Safety Awareness for Hired Vendors (2011)

**Hours:** 8:00

**Designed For:** Hired vendors working with CAL FIRE or USFS on any active wildland fire, including water tender operators, heavy equipment with water operators (Skidgine), dozer operators, crew bus drivers, vehicle drivers, mechanics, fallers, swamper, and chain saw operators.

**Description:** This course provides an awareness of fireline safety to hired vendors who plan to engage in wildland fire suppression and other incident support activities. Topics include current safety training, relevant policy and procedures, how to recognize and mitigate risk, and maintain safe and effective practices while working under agency supervision on an incident. Upon successful completion of training, participants will receive a course completion card valid for one (1) year from date of issue.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** 40

**Restrictions:** 5:1 student/skills evaluator ratio for fire shelter deployment skill

**Training Expiration:** Valid for one (1) year from date of training

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Incident Response Pocket Guide (NFES #1077) one for each student		Current	NWCG
▪ Instructor Guide		2011	SFT
▪ New Generation Practice Fire Shelters (1/5 shelter/student ratio)		Minimum of 2 large	NWCG; Online
▪ The New Generation Fire Shelter Video (NFES #2712)		2003	NWCG
▪ Wildland Personal Protective Equipment (One set as listed in Topic 13)		---	---
VENDOR			
NWCG	National Wildlife Coordinating Group (208-387-5119)		<a href="http://www.nwcg.gov">www.nwcg.gov</a>
SFT	State Fire Training Website		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## FIRELINE SAFETY AWARENESS FOR HIRED VENDORS COURSE SYLLABUS

Course Objectives: To provide the student with...

- Information on recent wildland events and hot topics
- Information for working on a wildland fire, including parts of a vegetation fire, situational awareness, fireline hazards, incident check-in, and radio procedures
- The 10 Standard Fire Orders and 18 Watch-out Situations
- Information on using the Incident Response Pocket Guide
- Techniques on the care, maintenance, and deployment of the new generation fire shelter
- Guidelines when working with California inmate fire crew

Course Content:	8:00
Overview and Administration	0:15
Introduction to the Incident Response Pocket Guide	0:30
Parts of a Vegetation Fire	0:30
Situational Awareness/ Look up-Look down/ Weather.	0:45
The 10 Standard Fire Orders/LCES	0:30
The 18 Situations that Shout Watch Out	0:30
Fireline Hazards and Strategies	0:30
Entrapment Avoidance	0:30
Lessons Learned and Hot Topics	0:30
Radio Procedures	0:30
Working with California Inmate Fire Crews	0:30
Incident Organization	0:30
Wildland Personal Protective Equipment	0:30
New Generation Fire Shelter and Deployment Skill	1:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Large Animal Rescue Operational (2003)

**Hours:** 8

**Designed For:** Fire fighters, fire service personnel, animal control officers, and law enforcement officers

**Description:** Fire departments are beginning to play a vital role in large animal rescues. Moreover, since these rescues can be a hazardous activity and pose a risk of serious injury or death, the safety of rescuers must be the first priority. This course provides the knowledge and skills necessary so responders can work in "concert" with each other, guided by an understanding of horse characteristics and behavior.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** 25

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		2003	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		2003	SFT
▪ PowerPoint Slides (Optional)		2003	SFT
▪ Student Manual		2003	SFT
VENDOR			
SFT	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## LARGE ANIMAL RESCUE OPERATIONAL COURSE OUTLINE

Course Objectives: To provide the student with...

- Information about large animal rescue as a technical rescue.
- Information about prey animal behavior and characteristics.
- Information and training on emergency containment of large animals.
- Information and training on scene management and large animal operations.
- Information and training on large animal rescue equipment and application.
- Information and training on horse trailers and on-road accidents.
- Information and training on rope operations and large animals.
- Information and training on hauling, lifting, and lowering large animals.
- Information and training on vertical lifting operations with large animals.
- Information and training on water rescue with large animals.

Course Content ..... 8:00

### Unit 1: Introduction to Large Animal Rescue

Introduction and History ..... 0:30

Horse Characteristics and Behavior ..... 0:30

The Emergency Rope Halter and Lead Line ..... 0:30

How to Approach a Loose Horse ..... 0:15

How to Apply an Emergency Rope Halter ..... 0:15

### Unit 2: Operations and Equipment

Scene Management and Operations ..... 0:30

Large Animal Rescue Equipment ..... 0:30

How to Apply a Rescue Strap, Forward Application ..... 0:15

How to Apply the Vertical Lift Tie ..... 0:15

Trailers and Trailer Operations ..... 1:00

Raising and Lowering Systems and Operations ..... 0:45

How to Apply a Rescue Strap, Rear Drag Application ..... 0:15

How to Assemble a Set of Tandem Prusik Loops to an Anchor Rope ..... 0:15

How to Assemble a Set of Parallel Prusik Loops to a Double Anchor Rope ..... 0:15

How to Set Up a Piggyback Haul System ..... 0:15

How to Operate a Piggyback Haul System ..... 0:15

Water Operations ..... 0:30

Course Review and Final Exam ..... 1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Low Angle Rope Rescue Operational (2007)

**Hours:** 24

**Designed For:** All fire service personnel

**Description:** Designed to equip the student with the techniques and methods for using rope, webbing, hardware friction devices, litters in low angle rescue situations. Areas covered include rope and related equipment, anchor systems, safety lines, stretcher lashing and rigging, mechanical advantage systems, and single-line and two-line rescue systems.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** Student/Instructor ratio is 12:1 (48 student's maximum with four Primary Instructors)

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Low Angle Rope Rescue Operational Instructor and Student Manual		2007	SFT Website
REQUIRED INSTRUCTOR MATERIALS			
▪ Low Angle Rope Rescue Operational Instructor and Student Manual		2007	SFT Website
VENDOR			
SFT Website	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## LOW ANGLE ROPE RESCUE OPERATIONAL COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on rope rescue equipment, rescue knots and hitches, anchor systems, system attachments and fall restraint, belay/safety line systems, load-releasing devices.
- Methods and techniques used to inspect and maintain rescue rope, webbing, and hardware.
- Methods and techniques to tie knots and package victims and rescuers.
- Methods and techniques for using rescue equipment to build lower/raise systems.
- Information on rescue scene organization and management.
- An opportunity to demonstrate and apply basic low angle rope rescue techniques.
- Optional information on litter walkouts and ladder systems used in low angle rope rescue operations.

Course Content .....	24:00
Introduction .....	1:00
Rope Rescue Equipment .....	1:00
Rescue Knots and Hitches .....	1:00
Anchor Systems .....	2:00
Rescuer and Ambulatory Victim Packaging .....	1:00
Types of Rescue Litters and Victim Packaging .....	2:00
System Attachments and Fall Restraint .....	1:00
Three Main Components of a Low Angle Rope Rescue System .....	2:00
Belay/Safety Line Systems .....	1:00
Descending and Ascending Techniques .....	2:00
Lower/Raise (Mechanical Advantage) Systems .....	3:00
Load-releasing Methods .....	1:00
Rescue Scene Organization and Management .....	1:00
Litter Walkouts (Optional) .....	1:00
Ladder Systems (Optional) .....	2:00
Evolutions .....	5:00
Evolutions (Optional) .....	5:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

- Course:** Motion Picture/Television – Fire Safety Officer (2012)
- Hours:** 24
- Designed For:** Fire prevention, suppression and investigation officers, special effects technicians, film production safety coordinators, stunt coordinators, line producers, directors, location managers, film commissioners, insurance risk managers and other governmental officials who interact with the entertainment industry in a safety capacity.
- Description:** This course provides the student with a basic knowledge of film production fire safety, both on the studio lot and location filming. Areas covered include: filming and fire code permits, licensing, safety officer responsibilities, who's who on location, fire safety hazards associated with lighting, generators, electrical cabling, set construction, studio and warehouse filming, pyrotechnic special effects laws and regulations (handling, use, storage and transportation) and stunt safety.  
In addition, the training incorporates live pyrotechnic special effects and stunt demonstrations, special guest speakers, product orientation and slides and videos from many different films.
- Prerequisites:** None
- Max. Class Size:** 75
- Restrictions:** This course is scheduled and taught by OSFM Fire Engineering – Fireworks Program staff experienced with Motion Picture/Television only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Filming in California		2012	OSFM-MP&E
▪ Fireworks in California		2011	OSFM-MP&E
REQUIRED INSTRUCTOR MATERIALS			
Filming in California		2012	OSFM-MP&E
Fireworks in California		2011	OSFM-MP&E
Instructor Guide		2012	OSFM-MP&E
VENDORS			
OSFM	Fire Engineering – Motion Picture & Entertainment Safety		

## MOTION PICTURE/TELEVISION – FIRE SAFETY OFFICER COURSE PLAN

### Course Objectives:

- Provide students with the knowledge, skills and abilities to recognize common and special hazards in the filming industry and enforce fire prevention laws and regulations while assigned to filming locations.
- Provide students with information about the role of the fire department while assigned to filming locations.
- Provide a level of enforcement consistency from jurisdiction to jurisdiction when assigned to filming locations.
- Provide the Filming Industry and the People of the State a safe environment when production companies are filming on location.

### Day 1:

Orientation and Introduction .....	1:00
Filming in California .....	1:00
Film Production Safety .....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## MOTION PICTURE/TELEVISION – FIRE SAFETY OFFICER COURSE PLAN

The FSO .....	1:00
Permits .....	1:00
Electrical Awareness .....	3:00

### Day 2:

Film Production Safety .....	1:00
Tents & Membrane Structures .....	1:00
Refueler's .....	0:30
Other Permits .....	0:30
Laws and Regulations .....	4:00
Studio and Warehouses .....	0:30
Helicopters .....	0:30

### Day 3:

Weapons .....	1:00
Stunts .....	1:00
Special FX Demo .....	4:00
Examination .....	1:00
Course Evaluations and Certificates .....	1:00

Course Hours .....	24:00
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# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Open Water Rescuer – Basic (2014)

**Hours:** 24

**Designed For:** Recue\Firefighting

**Description:** This course provides detailed information, and the skills training required, to improve an individual's level of comfort and confidence for safely and proficiently performing contact rescues in static and surf water conditions. Safety is strongly emphasized throughout the class. Risk management is reinforced during every skill to establish your level of comfort in the water and to identify and overcome your limitations. The emphasis on risk management helps you determine if your actions meet your agencies SOPS/SOGS in the determination of a rescue being a "offensive" or "defensive" operation. Swimming, stroke technique and body positioning in the water are covered. "In water" skills for students include how to read and understand water flow, reading and understanding surf, contact rescues using rescue buoy devices and boards, dealing with combatant victims, performing self-rescues, and rescues of multiple victims both conscious and unconscious. The entire course meets the requirements of swimming contact rescue of NFPA 1670 and NFPA 1006 Chapter 11, sections 11.2, Chapter 15, sections 15.2.

**Prerequisites:** It is recommended that the AHJ devise or adopt a minimum swim capability standard based on the response area needs. A realistic evaluation of the rescuer's water survival skills should be conducted by the AHJ to meet this requirement. It is recommended that the AHJ use an annual swim test standard that meets or exceeds the International Association of Dive Rescue Specialists (IADRS) Annual Watermanship Test.

**Certification:** None

**Standard:** 80%

**Max. Class Size:** 32 participants maximum, 8:1 student/instructor ratio

**Restrictions:** This course requires appropriate fitness and ability to complete the AHJ swim standard or the recommended NFPA, IARDS Watermanship swim test.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ USLA Open Water Rescue Manual		2011	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ USLA Open Water Rescue Manual		2011	Various
▪ One Rescue Tube for every 4 students			Various
▪ One Rescue Can for every 4 students			Various
▪ One Rescue Board for every 4 students			Various
VENDORS INFORMATION			
Various	All required material can be purchased, from a variety of vendors, on the Internet.		

## OPEN WATER RESCUER COURSE OUTLINE

### Day One:

Topic 1-1 Course Introduction, Instructor and Student Introduction .....	00:15
Topic 2-1 Philosophy and Duties of the Open Water Rescuer / NFPA 1006 .....	00:30
Topic 3-1 Environmental Risk Assessment/ PPE .....	01:00
Topic 4-1 Victim Recognition and Assessment .....	00:30
Topic 5-1 Recognizing the Distressed Signs of a Swimmer .....	00:30
Topic 6-1 Components of a Swimming Rescue .....	00:30
Topic 7-1 Communication and Hand Signals .....	00:15





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## OPEN WATER RESCUER COURSE OUTLINE

Topic 8-1 Conducting a Witness Interview.....	00:30
Topic 9-1 Swimming Ability.....	01:00
Topic 10-1 Methods of Reading and Entering the Water .....	01:30
Topic 11-1 Capabilities and Limitations of a Rescue Paddle Board .....	01:30

### Day Two:

Topic 12-1 Approaching a Victim(s) / Escaping a panicked victim(s).....	02:00
Topic 13-1 Performing Rescues with a Rescue Tube.....	02:00
Topic 14-1 Performing Rescues with a Rescue Can.....	02:00
Topic 15-1 Performing a Subsurface Rescue.....	02:00

### Day Three:

Topic 16-1 Incident Command System (ICS) for Water Rescue .....	00:30
Topic 17-1 Familiarization of Operations Around Helicopters.....	00:30
Topic 18-1 Reduced Visibility Responses.....	00:30
Topic 19-1 Rescue from a Boat, Pier, Rock, Cave, Kelp Bed .....	02:00
Topic 20-1 Deployment and Retrieval of Open Water Rescuer to a Watercraft, Boat.....	02:00
Topic 21-1 Distressed Swimmer Rescue Scenario .....	01:15
Topic 22-1 Distressed Victim(s) from a Disabled Watercraft Rescue Scenario.....	01:15

### Texts and References

U.S.L.A. Open Water Rescue Manual  
U.S. Coast Guard Helicopter Rescue Swimmer Manual  
U.S. Navy Seal Rescue Swimmer Manual  
NFPA 1670 Standards on Operation and Training for Technical Rescue Incidents  
NFPA 1006 Standard for Technical Rescuer Professional Qualifications

Course Hours.....24:00

\*This is an abbreviated Course Plan. Terminal and Enabling Learning Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Photovoltaic Training (2010)  
**Hours:** 8  
**Designed For:** All fire service personnel  
**Description:** This course is designed specifically to provide fire protection and fire prevention personnel with background information regarding photovoltaic technology so that they can make informed decisions at the scene of an emergency or in the plan review and construction inspection of photovoltaic system installation.  
**Prerequisites:** None  
**Certification:** None  
**Standard:** OSFM (2010); Fire Operations for Photovoltaic Emergencies Handbook  
**Max. Class Size:** 30  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire Operations for Photovoltaic Emergencies Handbook		2010	SFT Website
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire Operations for Photovoltaic Emergencies Handbook		2010	SFT Website
VENDORS			
SFT Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>		

## PHOTOVOLTAIC COURSE OUTLINE\*

### Course Objectives:

- Have a working knowledge of a Photovoltaic System
- Be able to identify component parts of a Photovoltaic System
- Identify and mitigate potential hazards
- Identify occupancies and locations for Photovoltaic Systems
- Perform size-up and develop response strategies and tactics

Unit 1: Course Introduction .....	0:30
Unit 2: Photovoltaic History, Distribution and regulation .....	1:00
Unit 3: Photovoltaic Components; Modules, Wiring and Inverters.....	1:00
Unit 4: Photovoltaic Operation and Tactical Considerations.....	2:00
Unit 5: Residential and Suburban Applications.....	1:00
Unit 6: Large and Small Commercial Applications .....	1:00
Unit 7: Battery Hazards for Off-Grid Systems .....	1:00
Unit 8: Photovoltaic Technologies Underdevelopment.....	0:30
<b>Course Hours .....</b>	<b>8:00</b>

\*This is an abbreviated Course Plan. Terminal & Enabling Learning Objectives can be found on the full version located on the SFT Curriculum page of the SFT website at: [osfm.fire.ca.gov/training/SFTCurriculum.php](http://osfm.fire.ca.gov/training/SFTCurriculum.php)



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Hours:** 16  
**Designed For:** Water rescue personnel  
**Description:** This course provides the skills needed to operate a personal watercraft (PWC) and perform rescue in river and flood situations. Safety, course philosophy, and PWC terminology are covered. "In water" experiences for students include how to read dynamics flow for safety travel, perform self-rescue and victim-rescue operations, along with executing pre/post-inspections of the PWC.  
**Prerequisites:** River and Flood Water Rescue  
**Certification:** None  
**Max Class Size:** 25  
**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		1996	SFT
VENDOR			
SFT	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## PERSONAL WATERCRAFT RESCUE OPERATIONS COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on the codes and regulations that impact personal watercraft operations.
- A thorough knowledge of personal watercraft operations.
- A strong working knowledge of personal watercraft operations in both static and dynamic water.
- Information on performing inspections and maintaining personal watercraft.
- An opportunity to apply their knowledge through demonstrations.

Course Content.....	16:00
Personal Watercraft Safety Training .....	1:30
Philosophy of Personal Watercraft Use .....	0:30
Orientation and Terminology of Personal Watercraft .....	1:00
Performing Pre-operation Inspections .....	0:30
Launching Personal Watercraft .....	0:30
Rescuer Mounts for Personal Watercraft .....	0:30
Methods for Reading Rivers .....	1:00
Traveling in Dynamic Water .....	1:00
Hovering and Ferrying a Personal Watercraft .....	0:30
Righting a Tipped Personal Watercraft .....	1:00
Serving a Flooded Personal Watercraft .....	1:00
Shoring a Personal Watercraft .....	0:30
Performing a Rope Crossing .....	1:00
Performing a Victim Pickup with a Rescue Litter .....	1:00
Performing a Victim Pickoff .....	1:00
Trailer a personal Watercraft .....	0:30
Placing a Personal Watercraft Back In-service .....	1:00
Performing Daily and Weekly Checks on Personal Watercraft .....	0:30
Course Review and Final Exam .....	1:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Proximate Audience Pyrotechnics (2009)  
**Hours:** 7  
**Designed For:** Fire prevention, suppression, public education, fire investigation and law enforcement personnel with pyrotechnic public display enforcement responsibilities.  
**Description:** This course provides a basic knowledge of proximate audience pyrotechnics safety; Laws and regulations governing permits, licensure, inspection practices, pre-production, operating, post production, and open flames for various types of venues. This course incorporates proximate audience pyrotechnics demonstrations.  
**Prerequisites:** None  
**Max. Class Size:** 75  
**Restrictions:** This course is scheduled and taught by OSFM Fire Engineering – Fireworks Program staff experienced with Proximate Audience Pyrotechnics only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Proximate Audience Pyrotechnics		2009	OSFM-MP&E
▪ Student Supplement		2009	OSFM-MP&E
REQUIRED INSTRUCTOR MATERIALS			
Instructor Guide		2009	OSFM-MP&E
Power Point Presentation		2009	OSFM-MP&E
VENDORS			
OSFM-MP&E	OSFM/Fireworks Program	<a href="http://osfm.fire.ca.gov/strucfireengineer/strucfireengineer_fireworks.php">osfm.fire.ca.gov/strucfireengineer/strucfireengineer_fireworks.php</a>	

## PROXIMATE AUDIENCE PYROTECHNICS COURSE PLAN

### Course Objectives:

- Information on the laws and regulations that govern proximate pyrotechnics
- Information of Regulations for pyrotechnics licensure and permit issuance
- Inspection procedures and best practices
- Information of pyrotechnic electronic firing systems and theory
- Pyrotechnic device identification and demonstration

### Course Breakdown:

Introduction and Course Overview.....	0:15
Law and regulations.....	1:15
Permit Process .....	0:30
Inspection Process .....	1:00
Open flame and Fire Performers .....	1:00
Device identification, firing systems .....	0:30
Theatrical demonstration, device material list.....	1:30
Q&A, Scantrons, Course Evaluations .....	1:00

**Course Hours ..... 7:00**



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

RIC Operations (2011)

**Hours:** 24

**Designed For:** All fire service personnel

**Description:** The Rapid Intervention Crew Operations course trains fire fighters to rescue a downed fire fighter in an immediately dangerous to life and health environment in the continuing effort to reduce the number of fire fighter injuries and deaths that occur regularly. Students train using evolutions and scenarios based off tragedies suffered by fellow fire fighters from departments across the country. Students receive information on how to locate and use these LODD studies as training and prevention tools throughout their careers.

The course focuses on the three phases of a RIC operation: 1) predeployment, 2) deployment, and 3) rescue. During the class, you will also gain a greater understanding of RIC operations terminology and the RIC mindset.

**Prerequisites:** Fire Fighter I training, Fire Fighter Survival or IAFF course *Fire Ground Survival*.

**Certification:** None

**Max Class Size:** Student/Instructor ratio is 10:1 (40 student's maximum, with four Primary Instructors)

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Instructor/Student Manual (combined document)		2011	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor/Student Manual (combined document)		2011	SFT
VENDORS			
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## RIC OPERATIONS COURSE OUTLINE

Course Objectives: To provide the student with...

- Rapid intervention crew terminology.
- Fire fighter fatality case study recommendations to enhance rapid intervention crew training to handle fire fighter emergencies on the fireground.
- Techniques and training in developing the "RIC mindset" and steps taken before a RIC deployment occurs (predeployment) to increase the chances of a successful outcome.
- Techniques and training in conducting a RIC deployment, including search operations and thermal imaging.
- Techniques and training in conducting rescue operations once a downed fire fighter is located, including assessment and extrication from the structure.

Course Content .....	24:00
Orientation And Administration .....	1:00
The RIC Mindset .....	0:45
Predeployment Concepts .....	0:45
Deployment Concepts .....	0:45
Rescue Operations .....	0:45
RIC Operation Skills .....	12:00
▪ #1: Size-up and Assemble A Mobile Tool Cache	
▪ #2: Downed Fire Fighter Assessment	
▪ #3: RIC Air Delivery	
▪ #4: Search Line Deployment	
▪ #5: Dragging A Downed Fire Fighter, One Rescuer	
▪ #6: Dragging A Downed Fire Fighter	
▪ #7: Packaging And Moving A Downed Fire Fighter Utilizing Rescue Loops	
▪ #8: Packaging And Moving A Downed Fire Fighter Utilizing A Drag Sled	
▪ #9: Packaging And Moving A Downed Fire Fighter Utilizing A Mast	
▪ #10: Dragging A Downed Fire Fighter Down Stairs	
▪ #11: Dragging A Downed Fire Fighter Up Stairs	
▪ #12: Feet-first Ladder Carry	
▪ #13: Seated Ladder Carry With SCBA Removal	
▪ #14: Head-first Ladder Carry	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## RIC OPERATIONS COURSE OUTLINE

- #15: Rescue From A Confined Area
- #16: Rescuing A Conscious and Uninjured Fire Fighter Through The Floor – Hose Method
- #17: Rescuing A Conscious And Injured Fire Fighter Through the Floor – Hose Method
- #18: Rescuing An Unconscious Fire Fighter Through the Floor – Hose Method
- #19: Rescuing A Downed Fire Fighter Through The Floor – Rope Method

RIC Operations Evolutions..... 8:00

- #1: Pittsburg Evolution
- #2: Tarver Evolution
- #3 and #4: Scenario-based Site-specific Evolutions

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Rescue Boat Operations (1998)

**Hours:** 24

**Designed For:** Water rescue personnel

**Description:** This course provides the skills needed to operate a rescue boat and perform rescue in river and flood situations. Safety, course philosophy, and terminology are covered. "In water" experiences for students include how to read dynamics flow for safety travel, perform self-rescue and victim- rescue operations, along with executing pre/post-inspections of the PWC.

**Prerequisites:** River and Flood Water Rescue

**Certification:** None

**Max Class Size:** 25

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		1998	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		1998	SFT
VENDOR			
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## RESCUE BOAT OPERATIONS COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on the codes and regulations that impact rescue boat operations.
- A strong working knowledge of rescue boat operations in both static and dynamic water.
- Information on performing inspections and maintaining rescue boats.
- An opportunity to apply their knowledge through demonstrations.

Course Content .....	24:00
Rescue Boat Safety Training.....	1:00
Philosophy of Rescue Boat Use.....	0:30
Rescue Boat Types, Uses, and Limitation.....	1:00
Recognized Standard Set-up for an IRB.....	1:00
Methods of Reading Rivers.....	1:00
Traveling in Dynamic Water.....	1:30
Operational Terminology.....	1:00
IRB Crew Positions.....	0:30
How To Perform Daily and Weekly Checks.....	0:30
Boat Care and Maintenance.....	0:30
Performing a Pre-operation Inspections.....	0:30
Launching a Rescue Boat.....	0:30
How to Hover and Ferry a Rescue Boat.....	1:00
Shoring A Rescue Boat.....	0:30
How to Trailer A Rescue Boat.....	1:00
IRB High Speed Turns.....	2:00
How to Execute a Rescuer Drop-off.....	2:00
Performing A Victim Pickup.....	2:00
Performing A Victim Pickoff.....	2:00
Righting an Overturned IRB.....	1:00
Paddle Operations.....	1:00
Rescue Boat Operations During Floods.....	1:00
Boat Wraps and Pins.....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** River and Flood Water Rescue (1996)

**Hours:** 16

**Designed For:** All fire service personnel

**Description:** This course is intended for the training of fire service personnel in water rescue techniques. Topics include swift water rescue, submerged vehicles, drowning, use of engine/truck company equipment for water rescue, use of rafts and boats, and underwater search and recovery.

**Prerequisites:** None

**Certification:** None

**Max. Class Size:** 40

**Student/** 10:1 (Skills Proficiency)

**Instructor Ratio**

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
▪ None		
REQUIRED INSTRUCTOR MATERIALS		
▪ None		

## RIVER AND FLOOD WATER RESCUE COURSE OUTLINE

Course Objectives: To provide the student with...

- Basic rescue techniques to water rescue problems.
- Information on the special hazards and problems in swift water rescue.
- Basic skills to make safe moving water rescues.
- Skills in rope handling, rigging, and repelling.

Course Content .....	16:00
Introduction .....	0:30
Cold Water Emersion, Hypothermia, and Mammalian Reflex .....	0:30
White Water Regarding Body Surfing, Boat Handling, and Shallow Water Crossing .....	1:00
Introduction to Vertical Rescue .....	1:00
How to Tie Rescue Knots .....	1:00
Field Exercises .....	3:00
Water Briefing .....	0:30
Field Exercises With the Tyrolian Line .....	2:00
Field Exercises With Water Crossing Techniques .....	2:00
Waterside Briefing .....	0:30
Rescue Simulations .....	4:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Tire Fire Prevention and Suppression (2004)  
**Hours:** 6  
**Designed For:** All fire service personnel  
**Description:** This course provides information on the growing problem of scrap tire storage throughout California. Topics include: History, chemical compounds, sources of ignition, codes and regulations, ground rubber operations and hazards, pre-incident planning of outdoor tire storage yards, tire fire behavior, and hazardous materials response.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
----------------------------	---------	---------

- |   |      |     |
|---|------|-----|
| ▪ Student Manual (included in Instructor Media Kit) | 2004 | SFT |
|---|------|-----|

REQUIRED INSTRUCTOR MATERIALS	EDITION	VENDORS
-------------------------------	---------	---------

- |   |      |     |
|---|------|-----|
| ▪ Media Kit: Instructor Guide, Student Manual, Multimedia Presentation, and Program Notes | 2004 | SFT |
|---|------|-----|

VENDOR	
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SFT	State Fire Training <a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>
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## TIRE FIRE PREVENTION AND SUPPRESSION COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on the background and history of the scrap tire industry.
- Information on chemical compounds used in tire manufacturing.
- Information on traditional sources of ignition.
- Information on the current codes and regulations.
- Information on ground rubber operations and hazards.
- Pre-incident planning of outdoor tire storage yards.
- Information on tire fire behavior.
- Information on hazardous materials response.

Course Content .....	6:00
Introduction: Defining the Problem .....	0:30
Tire History .....	0:30
Tire Markets .....	0:30
Tire Storage .....	0:30
Sources of Ignition .....	0:30
Codes and Regulations .....	1:00
Ground Rubber .....	0:30
Preplanning .....	0:30
Fire Behavior .....	0:30
Hazardous Materials Response .....	1:00





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Trench Rescue  
**Hours:** 16  
**Designed For:** All fire service personnel  
**Description:** This course is designed to train fire service personnel in hands-on application of the techniques necessary to safely affect a rescue from an excavation or trenching cave-in. Topics include: Critical considerations while responding to trenching emergencies, evaluation of cave-in scenes, basic life support procedures and temporary protection for victims, specialized tool usage, shoring techniques, and below grade rescue safety procedures.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Student/Instructor:** Ratio: 10:1 (Skills Proficiency)  
**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
None		
REQUIRED INSTRUCTOR MATERIALS		
▪ None		

## TRENCH RESCUE COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on the common causes for trench collapse.
- Information on the personal safety equipment used for trench rescues.
- Techniques for using scene safety equipment.
- The procedures for placing edge protection to make the lip of the trench safe.
- The procedures for sheeting and shoring.
- Different methods for removing victims from a trench.
- Techniques for safely removing tools and equipment from a trench.
- An opportunity to demonstrate and apply trench rescue techniques.

Course Content .....	16:00
Introduction	
The Law	
Confined Space Regulations	
Soil Analysis	
Types of Trenches and Collapse Patterns	
Emergency Rescue	
Guide Making the	
Trench Safe	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Vehicle Extrication (2015)  
**Hours:** 24  
**Designed For:** Fire service personnel  
**Description:** This course provides the knowledge and skills to prepare a firefighter to extricate victim(s) from a common passenger vehicle in a safe and effective manner in accordance with AHJ policies and procedures.  
**Prerequisites:** Firefighter I training (certification not required)  
Public Safety First Aid and CPR (CA Health and Safety Code 1979.182)  
**Certification:** None  
**Standard:** Complete all activities and mandatory skills  
**Max. Class Size:** 50  
**Student/** 50:1 (Lecture/Activities);  
**Instructor Ratio:** 10:1 (Skills)  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
Course text is selected by instructor (could be either or both)			
▪ Vehicle Extrication Levels I and II: Principles & Practice AND/OR Principles of Vehicle Extrication		1 <sup>st</sup> ed.	JB
		3 <sup>rd</sup> ed.	IFSTA
▪ Full structural personal protective equipment (including hand & eye protection)		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Vehicle Extrication Levels I and II: Principles & Practice (& instructor tool kit) AND/OR Principles of Vehicle Extrication		1 <sup>st</sup> ed.	JB
		3 <sup>rd</sup> ed.	IFSTA
▪ Full structural personal protective equipment (including hand & eye protection)		--	--
VENDORS			
IFSTA	International Fire Service Training Association	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones and Bartlett	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	

## VEHICLE EXTRICATION COURSE OUTLINE

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration

### Unit 2: Vehicle Extrication

- Topic 2-1: Planning for and Sizing Up a Vehicle Incident
- Topic 2-2: Establishing Scene Safety Zones
- Topic 2-3: Establishing Fire Protections
- Topic 2-4: Stabilizing a Common Passenger Vehicle
- Topic 2-5: Isolating and Managing Energy Sources
- Topic 2-6: Determining Passenger Vehicle Access and Egress Points
- Topic 2-7: Creating Access and Egress Openings for Rescue
- Topic 2-8: Disentangling Victims
- Topic 2-9: Removing a Packaged Victim to a Safe Area
- Topic 2-10: Terminating a Vehicle Incident

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## HAZ MAT COURSES

**Course:** Hazardous Materials First Responder Awareness Level (2007)

**Hours:** 8

**Designed For:** Fire prevention personnel, fire inspectors, and fire department support staff

**Description:** Hazardous Materials notification and reporting requirements for Fire Department personnel who may witness or discover a Hazardous Materials Leak, spill, or discharge. Meets the requirements of CFR 29 1910.120 and CCR Title 8.

**Prerequisites:** None

**Certification:** None

**Max. Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		Current	CSTI
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		Current	CSTI
▪ Student Manual		Current	CSTI
VENDOR			
CSTI	California Specialized Training Institute (800-549-3535 or <a href="mailto:CSTIinfo@oes.ca.gov">CSTIinfo@oes.ca.gov</a> ) <a href="http://www.caloes.ca.gov">http://www.caloes.ca.gov</a>		

## HAZARDOUS MATERIALS FIRST RESPONDER AWARENESS LEVEL COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on hazardous materials relevant to the risks and negative outcomes hazardous materials events/incidents present.
- Methods and procedures to identify a hazardous materials event/incident.
- With methods and procedures to isolate a hazardous materials event/incident and make proper modifications to mitigate an event/incident.
- Information on safety and hazard assessment techniques when dealing with a hazardous materials event/incident.
- A tabletop exercise to apply the information provided in this course.

Course Content .....	8:00
Course Orientation and Administration .....	0:30
Introduction to Hazardous Materials at the Awareness Level .....	1:00
Hazardous Materials Recognition and Safety .....	1:30
Safety, Isolation, and Notifications .....	1:00
Basic Command, IDHA, and Action Plans .....	1:30
First Responder Exercise .....	1:30
Written Exam .....	0:30
Course Review and Graduation .....	0:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Hazardous Materials First Responder Operational Level (2007)  
**Hours:** 24  
**Designed For:** Fire department personnel who may respond to releases or potential releases of hazardous materials as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release.  
**Description:** Defensive tactics to contain the release from a safe distance, keep it from spreading, and prevent exposures without trying to stop the release. Meets and exceeds the requirements of CFR 29 1910.120 and CCR Title 8.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		Current	CSTI
REQUIRED INSTRUCTOR MATERIALS		EDITION	VENDORS
▪ Instructor Guide		Current	CSTI
▪ Student Manual		Current	CSTI
VENDOR			
CSTI	California Specialized Training Institute (800-549-3535 or <a href="mailto:CSTInfo@oes.ca.gov">CSTInfo@oes.ca.gov</a> ) <a href="http://www.caloes.ca.gov">http://www.caloes.ca.gov</a>		

## HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL LEVEL COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on recognition of hazardous materials incidents, safety precautions, making proper notifications, and legal aspects.
- Information on scene management and the utilization of IDHA and action plans.
- Methods and procedures on the proper use of hazardous materials protective equipment, containment, protective actions, decon, disposal and documentation.
- Information on preplanning for hazardous materials incidents.
- An exercise that uses the information, methods, and procedures contained in this course.

Course Content .....	24:00
Course Orientation and Administration .....	1:30
Introduction to Hazardous Materials at the Operational Level .....	1:00
Hazardous Materials Recognition and Safety .....	1:00
Safety, Isolation, and Notifications .....	1:00
Command/Introduction to Scene Management .....	1:00
IDHA and Action Plans .....	2:00
Protective Equipment and First Responder Limits .....	1:00
Containment and Protective Actions .....	2:00
Decon Disposal and Documentation .....	1:00
Agency Coordination .....	1:00
Pre-Event and Event-Specific Planning .....	1:00
Toxicology .....	1:00
The Safe and Competent Hazardous Materials Process .....	1:00
First Responder Operational Exercise .....	4:00
Hazardous Materials Legal Aspects and the Media .....	1:00
Putting It All Together .....	1:00
Course Review and Final Exam .....	2:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Hazardous Materials First Responder Operational Level, Decontamination (2007)  
**Hours:** 8  
**Designed For:** Hazardous material emergency response personnel  
**Description:** This course will provide the haz mat emergency responder with the processes used in decontamination and methods to limit the spread of hazardous materials contamination in a safe and competent manner.  
**Prerequisites:** OSFM recognized/approved Hazardous Materials First Responder Operational Level  
**Certification:** None  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		Current	CSTI
REQUIRED INSTRUCTOR MATERIALS		EDITION	VENDORS
▪ Instructor Guide		Current	CSTI
▪ Student Manual		Current	CSTI
VENDOR			
CSTI	California Specialized Training Institute (800-549-3535 or <a href="mailto:CSTInfo@oes.ca.gov">CSTInfo@oes.ca.gov</a> ) <a href="http://www.caloes.ca.gov">http://www.caloes.ca.gov</a>		

## HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL, DECONTAMINATION COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on the processes used in decontamination.
- Skills to safely limit the spread of contamination.

Course Content .....	8:00
Course Overview .....	0:15
Introduction to Decontamination .....	0:45
Decontamination Leader .....	0:30
Contamination Reduction Corridor .....	0:30
Special Decontamination Procedures .....	0:30
Personal Protective Equipment .....	0:45
Medical Monitoring of the Decon Team .....	0:15
EMS Transportation of Decontaminated Patients .....	0:30
Medical Monitoring Exercise .....	0:30
Level B Exercise .....	0:45
Contamination Reduction Corridor Exercise .....	0:45
Level a Decontamination Exercise .....	0:30
Decontamination of Contaminated Victims Exercise .....	0:15
Decontamination of the Decon Team Exercise .....	0:15
Course Review and Final Exam.....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## ICS COURSES

FSTEP

**Course:** Advanced All-Hazards Incident Management –AAIM (2012)  
**Hours:** 48  
**Designed For:** National Incident Management System (NIMS) Type-I Command and General Staff  
**Description:** All-hazards complex incident management training for Type-I incident management teams (IMT)  
**Prerequisites:** IS-208.a - State Disaster Management, IS-240.a Leadership & Influence, IS-241.a Decision Making and Problem Solving, IS-242.a Effective Communication, IS-244.a Developing and Managing Volunteers, IS-288 The Role of Voluntary Agencies in Emergency Management, IS-520 Introduction to Continuity of Operations Planning for Pandemic Influenzas, IS-650.a Building Partnerships with Tribal Governments, IS-700.a NIMS An Introduction, IS-701.a NIMS Multiagency Coordination System (MACS) Course, IS-702.a National Incident Management System (NIMS) Public Information Systems, IS-703.a NIMS Resource Management Course, IS-706 NIMS Intrastate Mutual Aid - An Introduction, IS-775, EOC Management and Operations, IS-800.B National Response Framework, An Introduction, IS-860.a National Infrastructure Protection Plan (NIPP), and Qualified in a Command or General Staff position at the Type 3 complexity level  
**Certification:** Not Applicable  
**Standard:** 80%  
**Max. Class Size:** Up to 48 participants (based on incident management teams of 10 to 12 people per team)  
**Restrictions:** Venue shall have adequate classrooms, breakout rooms, and information technology capabilities according to course logistics plan to be approved in advance of the class by SFT staff.

REQUIRED STUDENT MATERIALS		EDITION	PUBLISHER
ICS Field Operations Guide			FIRESCOPE
AAIM Participant Guide			AAIM
NIMS Pre-course Materials			FEMA
NIMS Forms			FEMA
REQUIRED INSTRUCTOR MATERIALS			
Instructor Guide			AAIM
Coaches Guide			AAIM
Simulation Coordination Logistics Sheet			AAIM
VENDORS CONTACT INFORMATION			
AAIM	<a href="http://californiafiretraining.org">http://californiafiretraining.org</a>		
FIRESCOPE	Firefighting Resources of California Organized for Potential Emergencies <a href="http://www.firescope.org">www.firescope.org</a>		
NIMS	<a href="http://training.fema.gov/EMIWeb/IS/ICSResource/index.htm">http://training.fema.gov/EMIWeb/IS/ICSResource/index.htm</a>		

## ADVANCED ALL-HAZARDS INCIDENT MANAGEMENT COURSE OUTLINE

- Unit 1 Course Introduction.....1:00**  
**Scope Statement:** The Scope of this Unit is to provide a description and overview of the course, define TLO, define ELO and provide students with the course expectations and evaluation process. During this Unit, students will be introduced to the instructors, provide an introduction of themselves, and learn the layout of the classroom and facilities.
- Unit 2 Agencies, Entities and Plans ..... 4:00**  
**Scope Statement:** The scope of this Unit will be to provide the student with information regarding: Agencies, entities, and plans that may need to be accessed and engaged in order to mitigate incidents. Agencies and entities may bring jurisdictional considerations, and resources which could be required to deal with incidents.
- Unit 3 Command and Coordination.....2:30**  
**Scope Statement:** Students will be provided information on the interactions that occur with IMT's and various levels of coordinating and directing organizations which may be instituted at a higher level command authority. These organizations may occur at the Federal, State, and Local levels of government.



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## ADVANCED ALL-HAZARDS INCIDENT MANAGEMENT COURSE OUTLINE

<b>Unit 4 Scenario - Transportation .....</b>	<b>8:00</b>
<b>Scope Statement:</b> This will be a five to six hour exercise that will allow the students to utilize lessons learned in previous Units. The IMT's will develop a plan and provide solutions to a transportation scenario provided by the instructional staff. The intent of this scenario is to utilize tools that have been provided to demonstrate an ability to coordinate with agencies at the Federal, State, and Local levels.	
<b>Unit 5 Safe Management of Incident Resources.....</b>	<b>2:30</b>
<b>Scope Statement:</b> The scope of this Unit includes tools and information that IMT's can utilize to identify and mitigate safety issues. Students will learn to address long duration assignments, tragedy and high stress situations. The team will be provided information to form a basis for making sound decisions to conduct safe incident operations.	
<b>Unit 6 Incident management Team Challenges .....</b>	<b>3:00</b>
<b>Scope Statement:</b> In this Unit, teams will be provided with information to identify challenges that can impact a team and potential strategies to address them.	
<b>Unit 7 Incident Management Assistance Team (IMAT) .....</b>	<b>2:00</b>
<b>Scope Statement:</b> IMAT's are quite often called upon to assist and instruct other agencies in the management of incidents under their jurisdiction. This presents unique challenges in that IMAT's are placed in an advisory capacity with no delegated authority.	
<b>Unit 8 Scenario- Public Health.....</b>	<b>8:00</b>
<b>Scope Statement:</b> This will be a five to six hour exercise that will allow the students to utilize lessons learned in previous Units. They are expected to interact with simulated served agency personnel during a public health pandemic. The team is not from the requesting entity.	
<b>Unit 9 Volunteers and Donations .....</b>	<b>2:30</b>
<b>Scope Statement:</b> Students will be provided information on the importance of volunteer organizations, their response to incidents and how best to utilize volunteers to support personnel and the public. Additional Information addresses the spontaneous volunteer, people who just show up and want to help.	
<b>Unit 10 External influences .....</b>	<b>3:00</b>
<b>Scope Statement:</b> This Unit will provide the students with information which will help them to identify and manage external influences. These influences may include issues related to: governmental agencies, special interest groups, industrial groups, political issues, the media, and situations where agencies and entities have conflicting primary, secondary, and/or parallel responsibilities.	
<b>Unit 11 Fiscal Considerations .....</b>	<b>1:00</b>
<b>Scope Statement:</b> The students will be provided information which will assist them in identifying and finding potential solutions to complex or unfamiliar financial issues such as: Who has the authority to encumber funds? Who establishes the accounting systems to track and project costs? What is the fiscal effect of emergency declarations?	
<b>Unit 12 Final Written Exam .....</b>	<b>2:30</b>
<b>Scope Statement:</b> The summative exam covers all the AAIM material presented up to this point.	
<b>Unit 13 Scenario- Natural Disaster .....</b>	<b>7:00</b>
<b>Scope Statement:</b> This will be a five to six hour exercise which will provide the students with a natural disaster scenario that incorporates all lessons from throughout the course. This will be the final scenario and will be weighted more heavily in the grading.	
<b>Unit 14 Course Critique / Team Evaluations / Closeout.....</b>	<b>1:00</b>
<b>Course Hours .....</b>	<b>48:00</b>

\*This is an abbreviated Course Plan. Terminal and Enabling Learning Objectives can be found on the full version located on the SFT Curriculum page of the SFT website at:

<http://osfm.fire.ca.gov/training/SFTCurriculum.php>





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** I-200: Basic ICS (2006)  
**Hours:** 12-16  
**Designed For:** First line supervisors, single resource bosses, lead dispatchers, field supervisors, company officers, and entry level positions (trainees) on incident management teams  
**Description:** This course introduces students to the principles of the Incident Command System (ICS) associated with incident-related performance. Topics include leadership and management, delegation of authority and management by objectives, functional areas and positions, briefings, organizational flexibility, transitions and transfers.  
**Prerequisites:** None.  
**Certification:** Not Applicable  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		PUBLISHER
Student Manual		FEMA
REQUIRED INSTRUCTOR MATERIALS		
Instructor Guide		FEMA
VENDORS CONTACT INFORMATION		
FEMA	<a href="http://training.fema.gov/is/coursematerials.aspx?code=IS-200.b">http://training.fema.gov/is/coursematerials.aspx?code=IS-200.b</a>	

## I-200 COURSE OUTLINE

Course information can be found on the link above





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** I-300: Intermediate ICS (2007)

**Hours:** 18-24

**Designed For:** Type 3 Incident Management Team (IMT) candidates, incident middle management (Unit Leaders, Division/Group Supervisors, and Strike Team Leaders), elected officials, line officers, lead dispatchers, Multi-agency Coordination (MAC) members, director heads (public works director, fire chief, sheriff), emergency managers, agency representatives

**Description:** This course provides description and detail of the Incident Command System (ICS) organization and operations in supervisory roles on expanding or Type 3 incidents. Topics include: ICS fundamentals review, incident/event assessment and agency guidance in establishing incident objectives, Unified Command, incident resource management, planning process, demobilization, transfer of command, and close out.

**Prerequisites:** I-200 Certification

**Certification:** Not Applicable

**Max. Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		PUBLISHER
Various – (instructor provided)		--
REQUIRED INSTRUCTOR MATERIALS		
Various		FEMA/SFT
VENDORS CONTACT INFORMATION		
FEMA	Federal Emergency Management Agency	<a href="http://training.fema.gov/allhazards/">http://training.fema.gov/allhazards/</a>
SFT	<a href="#">Contact the Instructor Registrar for password to FEMA website</a>	

## I-300 COURSE OUTLINE

Course information can be found on the link above



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** I-400: Advanced ICS (2006)  
**Hours:** 16  
**Designed For:** Senior personnel expected to perform in a management capacity in an area command/complex incident environment  
**Description:** This course directs the student towards an operational understanding of large single-agency and complex multi-agency/multi-jurisdictional incident responses. Topics include fundamentals review for command and general staff, major and/or complex incident/event management, area command, and multi-agency coordination.  
**Prerequisites:** I-300 Certification  
**Certification:** Not Applicable  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		PUBLISHER
Various – (instructor provided)		--
REQUIRED INSTRUCTOR MATERIALS		
Various		FEMA/SFT
VENDORS CONTACT INFORMATION		
FEMA	Federal Emergency Management Agency	<a href="http://training.fema.gov/allhazards/">http://training.fema.gov/allhazards/</a>
SFT	<a href="#">Contact the Instructor Registrar for password to FEMA website</a>	

## I-400 COURSE OUTLINE

Course information can be found on the link above



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

<b>Hours:</b>	S-130: Fire Fighter Training (2003) 30-35½
<b>Designed For:</b>	Entry-level firefighters.
<b>Description:</b>	This course is designed to provide entry-level fire fighters skills. Many of the units are set up so they can be taught in either the classroom or the field; field time is encouraged. A version of L-180, Human Factors on the Fireline, has been included as part of this course.
<b>Prerequisites:</b>	S-190
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
<b>Hours:</b>	S-131: Fire Fighter Type 1 Training (2004) 8
<b>Designed For:</b>	Fire Fighter Type 1 (FFT1)
<b>Description:</b>	This course meets the training needs of the Fire Fighter Type 1 (FFT1) and is interactive in nature. Topics include fireline reference materials, communications, and tactical decision-making.
<b>Prerequisites:</b>	Qualified as a Fire Fighter Type 2 (FFT2)
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
<b>Hours:</b>	S-190: Introduction to Wildland Fire Behavior (2006) 6-8
<b>Designed For:</b>	Entry-level fire fighters
<b>Description:</b>	This course provides instruction in the primary factors affecting the start and spread of wildfire and recognition of potentially hazardous situations. S-190 is typically taught in conjunction with or prior to Basic Fire Fighter Training, S-130. It is designed to meet the fire behavior training needs of a Fire Fighter Type 2 (FFT2) on an incident as outlined in the PMS 310-1, Wildland Fire Qualification System Guide and the position task book developed for the position.
<b>Prerequisites:</b>	None
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
<b>Hours:</b>	S-200: Initial Attack Incident Commander (2007) 16
<b>Designed For:</b>	Personnel desiring to be qualified as an (ICT4)
<b>Description:</b>	This course is designed to meet the training needs of the Incident Commander Type 4. The six units cover: foundation skills, intelligence gathering and documentation, size-up, developing a plan of action, post-fire activities, evaluating incident objectives, and managing the incident. Evaluation of the student is by unit tests and performance based evaluations.
<b>Prerequisites:</b>	Qualified as a Single Resource Boss
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
<b>Hours:</b>	S-203: Introduction to Incident Information (2008) 30
<b>Designed For:</b>	Personnel desiring to be qualified as Public Information Officer (PIOF)
<b>Description:</b>	Receive the skills and knowledge needed to serve as a public information officer. Topics include establishing/maintaining an incident information operation, communicating with internal/external audiences, working with the media, handling special situations, and long-term planning/strategy.
<b>Prerequisites:</b>	None
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None

## VENDOR

NWCG

National Wildlife Coordinating Group

<http://www.nwcg.gov/pms/pubs/catalog.htm>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Hours:** S-212: Wildland Fire Chainsaws (2004)  
24-36

**Designed For:** Individuals desiring to be qualified as Fire Fighter Type 1 (FFT1), Incident Commander Type 5 (ICT5) or Felling Boss (FELB)

**Description:** This course introduces the function, maintenance and use of internal combustion engine powered chain saws, and their tactical wildland fire application. Field exercises support entry-level training for fire fighters with little or no previous experience in operating a chain saw, providing hands-on cutting experience in surroundings similar to fireline situations.

**Prerequisites:** Qualified as a Fire Fighter Type 2 (FFT2)

**Certification:** None

**Max Class Size:** Ratio: 10:1 (Skills Proficiency)

**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

**Hours:** S-215: Fire Operations in the Wildland/Urban Interface (2003)  
28-32

**Designed For:** **Wildland Fire Agencies:** Required for Initial Attack Incident Commander Type 4 (ICT4) and Strike Team Leader (tractor/plow, dozer, engine, or crew).  
**Structural Fire Departments:** Engine operators, chief officers, and company officers responsible for structure protection in suburban/urban interface areas that may be threatened by wildland fire.

**Description:** Designed to assist structure and wildland fire fighters who will be making tactical decisions when confronting wildland fire that threatens life, property, and improvements, in the wildland/urban interface. Topics include: interface awareness, size-up, initial strategy and incident action plan, structure triage, structure protection tactics, incident action plan assessment and update, follow-up and public relations, and fire fighter safety in the interface. If the optional exercises at the end of the tactics unit are used or a field exercise is included additional course time is needed. Instructors are encouraged to extend the course to 32 hours and add a field exercise covering size-up, structure triage, tactics, and any other local area training as appropriate.

**Prerequisites:** Wildland Fire Agencies: Qualified as a Fire Fighter Type 1 (FFT1)  
Structural Fire Departments: I-100, L-180, S-130, S-131, S-190

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

**Hours:** S-230: Crew Boss – Single Resource (2004)  
24

**Designed For:** Personnel desiring to be qualified as an Engine Boss (ENGB)

**Description:** Training for the single resource boss position from initial dispatch through demobilization to the home unit. Topics include operational leadership, preparation and mobilization, assignment preparation, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization, and post incident responsibilities.

**Prerequisites:** S-290 and qualified as a Fire Fighter Type 1 (FFT1)

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

**Hours:** S-231: Engine Boss (2004)  
12-16

**Designed For:** Personnel desiring to be qualified as an Engine Boss (ENGB)

**Description:** Designed to produce student proficiency in the performance of the duties associated with ENGB. Topics include engine and crew capabilities and limitations, information sources, fire size-up considerations, tactics, and wildland/urban interface.

**Prerequisites:** S-230 and qualified as a Fire Fighter Type 1 (FFT1)

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

## VENDOR

NWCG

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<http://www.nwcg.gov/pms/pubs/catalog.htm>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

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**Hours:** 16  
**Designed For:** Personnel desiring to be qualified as Firing Boss (FIRB)  
**Description:** This course introduces the roles and responsibilities of a Firing Boss (FIRB), common firing devices, and general firing operations and techniques. Although comprehensive in nature, the coursework is not a substitute for the dynamic fire environment. The course provides students with important information concerning general tasks required to be successful. Any opportunity to show students a small-prescribed burn or demonstrate how devices operate in the field will promote transferring these new skills to the job. Due to the wide variety and capabilities of sponsors presenting this course, the field exercise portion of the class is not defined. Therefore, the cadre and sponsoring unit are responsible for planning field exercises and demonstrations in accordance with their capabilities.  
**Prerequisites:** S-290  
**Certification:** None  
**Max Class Size:** Ratio: 10:1 (Skills Proficiency)  
**Restrictions:** This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

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**Hours:** 20  
**Designed For:** Personnel desiring to be qualified as a Field Observer (FOBS) and/or Fire Effects Monitor (FEMO)  
**Description:** This course provides the student with the skills necessary to perform as a field observer (FOBS) and/or a fire effects monitor (FEMO). Topics include roles and responsibilities of the FOBS and FEMO; how to make observations and document those observations; how to produce hand drawn and GPS field maps; and how to navigate using a compass and GPS. The navigation unit has 4½ hours of field exercises and the final field exercise is 8 hours.  
**Prerequisites:** Successful completion of the precourse work  
Ability to use a GPS receiver  
S-290  
**FOBS:** Qualified as a Single Resource Boss  
**FEMO:** Qualified as a Fire Fighter Type 2 (FFT2)  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

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**Hours:** 8  
**Designed For:** Personnel desiring to be qualified as a Display Processor (DPRO)  
**Description:** This course provides students with the skills necessary to perform as a Display Processor (DPRO). Topics include general roles and responsibilities and how to assist the situation unit leader with producing incident maps, inputs for the Incident Status Summary (ICS-209) and other incident products. The final exam is 3 hours.  
**Prerequisites:** Successful completion of the precourse work  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

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## VENDOR

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# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**S-270: Basic Air Operations (2003)**  
**Hours:** 16  
**Designed For:** Single Resource Boss, Incident Commander Type 4 (ICT4), and Support Dispatcher (EDSD)  
**Description:** This course covers aircraft types and capabilities, aviation management and safety for flying in and working with agency aircraft, tactical and logistical uses of aircraft, and requirements for helicopter take-off and landing areas. Note: the regulations, procedures, and policies addressed in this course are primarily those governing federal agency and ICS operations. State, county, or other political subdivisions using this course will need to consult their agency having jurisdiction with respect to regulations, procedures, and policies.  
**Prerequisites:** None  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

**S-290: Intermediate Wildland Fire Behavior (2007)**  
**Hours:** 32  
**Designed For:** Personnel desiring to be qualified as any Single Resource Boss or Fire Effects Monitor (FEMO)  
**Description:** This is a classroom-based skills course designed to prepare the prospective fireline supervisor to undertake safe and effective fire management operations. It is the second course in a series that collectively serves to develop fire behavior prediction knowledge and skills. Fire environment differences are discussed as necessary; instructor should stress local conditions.  
**Prerequisites:** S-190  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

**S-300: Extended Attack Incident Commander (2008)**  
**Hours:** 16  
**Designed For:** Personnel desiring to be qualified as an Incident Commander Type 3 (ICT3)  
**Description:** The focus is on leadership and command as they relate to the ICT3 position and presented in participative lecture format with multiple tactical decision games for students to practice new knowledge. The seven instructional units cover: foundation skills, situational awareness, command and control, managing the incident, transitional activities, post-fire activities, and final simulation. There is also an optional staff ride activity (Unit 8) if instructors choose to include it.  
**Prerequisites:** Successful completion of the precourse work  
Qualified as an Incident Commander Type 4 (ICT4) and Task Force Leader (TFLD)  
or  
Qualified as an Incident Commander Type 4 (ICT4), Strike Team Leader (TFLD), and any two Single Resource Boss positions – one must be Crew (CRWB) or Engine (ENGB)  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

**S-330: Task Force/Strike Team Leader (2005)**  
**Hours:** 24  
**Designed For:** Personnel desiring to be qualified as a Task Force Leader (TFLD) or any Strike Team Leader (STPL, STDZ, STEN, or STCR)  
**Description:** Designed to meet the training requirements outlined in the Wildland Fire Qualification System Guide and the Position Task Books (PTB) developed for the positions of Task Force Leader and Strike Team Leader and specific to wildland fire suppression. If students are expected to perform in some other risk area, exercises and examples appropriate to the expected risk should be added.  
**Prerequisites:** Successful completion of the precourse work  
Qualified as any Single Resource Boss  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

## VENDOR

NWCG

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# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

<b>Hours:</b>	S-336: Tactical Decision Making in Wildland Fire (2004) 24-32
<b>Designed For:</b>	Experienced Single Resource Bosses and Initial Attack Incident Commanders
<b>Description:</b>	Designed to meet training requirements in the Operations Section of the ICS and is specific to wildland fire suppression. This course prepares experienced Single Resource Bosses and Initial Attack Incident Commanders in the tactics necessary at the Strike Team/Task Force Leader level. It is also valuable for Operations Supervisors qualified at higher management levels who have not received training in wildfire suppression tactics.
<b>Prerequisites:</b>	Qualified as a Single Resource Boss <b>or</b> Initial Attack Incident Commander Type 4 (ICT4)
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
<b>Hours:</b>	S-339: Division/Group Supervisor (2006) 20
<b>Designed For:</b>	Personnel desiring to be qualified as a Division/Group Supervisor (DIVS)
<b>Description:</b>	Prepares students to perform in the role of Division/Group Supervisor and provides instruction in support of the specific tasks of the DIVS. Topics include division/group management, organizational interaction, division operations, all-hazard operations, and tactical decision games (optional). There is a final examination in this course.
<b>Prerequisites:</b>	I-200, I-300 Qualified as a Task Force Leader (TFLD) <b>or</b> Incident Commander Type 3 (ICT3) <b>or</b> Incident Commander Type 4 (ICT4) and in any two Strike Team Leader positions – one must be STCR or STEN
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
<b>Hours:</b>	S-346: Situation Unit Leader (2008) 18-24
<b>Designed For:</b>	Personnel desiring to be qualified as Situation Unit Leader (SITL).
<b>Description:</b>	The course starts with how to activate, setup, organize, manage, and demobilize a situation unit. It then addresses the products (maps, ICS-209, and other reports) the unit produces, as well as the technology needed to produce the products.
<b>Prerequisites:</b>	Successful completion of the precourse work Qualified as any Strike Team Leader <b>or</b> Incident Commander Type 4 (ICT4)
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
<b>Hours:</b>	S-349: Resources Unit Leader/Demobilization Unit Leader (2008) 28-32
<b>Designed For:</b>	Personnel desiring to be qualified as a Resources Unit Leader (RESL) and/or Demobilization Unit Leader (DMOB)
<b>Description:</b>	Training begins with a discussion on unit activation and management. Topics include RESL responsibilities related to resource status systems, planning process, and resource products/outputs and DMOB responsibilities for developing and implementing the demobilization plan
<b>Prerequisites:</b>	Successful completion of the pre-course work and test Basic knowledge of current automated resource status system, such as I-Suite Qualified as a Status/Check-in Recorder (SCKN)
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None

## VENDOR

NWCG

National Wildlife Coordinating Group

<http://www.nwcg.gov/pms/pubs/catalog.htm>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

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## S-355: Ground Support Unit Leader (2000)

**Hours:** 16

**Designed For:** Personnel desiring to be qualified as a Ground Support Unit Leader (GSUL)

**Description:** Managing the transportation plan, maintenance, and related services at an incident. Topics include gathering assignment information; organizing, staffing, and laying out the unit; field inspection of equipment; operation and coordination with other units, and demobilization.

**Prerequisites:** Qualified as an Equipment Manager (EQPM)

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

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## S-356: Supply Unit Leader (2001)

**Hours:** 16

**Designed For:** Personnel desiring to be qualified as a Supply Unit Leader (SPUL)

**Description:** Training on the duties of a Supply Unit Leader and managing the incident supply unit.

**Prerequisites:** Qualified as an Ordering Manager (ORDM)

Qualified as a Receiving/Distribution Manager (RCDM)

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

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## S-358: Communications Unit Leader (2008)

**Hours:** 24

**Designed For:** Personnel desiring to be qualified as a Communications Unit Leader (COML)

**Description:** This course is designed to provide skills and knowledge needed to perform in the role of Communications Unit Leader. Topics include mobilization, establishing the communications unit, communications system design and ordering, communications system installation and maintenance, communications equipment assignment and accountability, incident communications center, internal and external coordination, demobilization, and current communications issues and technology.

**Prerequisites:** Qualified as an Incident Communications Technician (COMT)

Qualified as an Incident Communications Center Manager (INCM)

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

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## S-359: Medical Unit Leader (2000)

**Hours:** 20

**Designed For:** Personnel desiring to be qualified as a Medical Unit Leader (MEDL)

**Description:** This course is designed to provide the skills and knowledge needed to perform in the role of Medical Unit Leader. Topics include gathering information, organizing the medical unit, supervising the unit, evaluation, documentation, and demobilization.

**Prerequisites:** Prior or current certification as an Emergency Medical Technician or equivalent

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

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## VENDOR

NWCG

National Wildlife Coordinating Group

<http://www.nwcg.gov/pms/pubs/catalog.htm>





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

	S-360: Finance/Administration Unit Leader (2001)
<b>Hours:</b>	32
<b>Designed For:</b>	Personnel desiring to be qualified as a Procurement (PROC), Cost (COST), Time (TIME), and/or Compensation/Claims (COMP) Unit Leader
<b>Description:</b>	Designed to provide the prerequisite knowledge and skills necessary to perform the tasks of Finance/Administration Unit Leader.
<b>Prerequisites:</b>	Qualified as Personnel Time Recorder (PTRC) for Time Unit Leader (TIME) Qualified as Equipment Time Recorder (EQTR) and meet agency procurement authority requirements for procurement unit leader (PROC) Qualified as Compensation-For-Injury Specialist (INJR) and Claims Specialist (CLMS) for Compensation/Claims Unit Leader (COMP) Have agency related cost estimation and analysis experience for Cost Unit Leader (COST)
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
	S-390: Introduction to Wildland Fire Behavior Calculations (2006)
<b>Hours:</b>	32
<b>Designed For:</b>	Personnel desiring to become qualified as Division/Group Supervisor (DIVS), Prescribed Fire Burn Boss Type 2 (RXB2), Incident Commander Type 3 (ICT3), or in a position requiring this knowledge
<b>Description:</b>	Designed to introduce fire behavior calculations by manual methods, using nomograms and the Fire Behavior Handbook Appendix B. the student gains an understanding of the determinants of fire behavior though studying inputs (weather, slope, fuels, and fuel moisture). The student also learns how to interpret fire behavior outputs, documentation processes, and fire behavior briefing components.
<b>Prerequisites:</b>	S-290 and qualified as a Single Resource Boss
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
	S-400: Incident Commander (2002)
<b>Hours:</b>	24
<b>Designed For:</b>	Personnel desiring to be qualified as an Incident Commander Type 2 (ICT2)
<b>Description:</b>	Topics include team administration, communication, information/intelligence processing, agency administrator and IC responsibilities, transfer of command, and demobilization. The course provides exercises to assist the student in acquiring the knowledge to learn these skills. An optional "lessons learned" unit allows the addition of geographic area specific information, but the course time frame must be increased accordingly.
<b>Prerequisites:</b>	Qualified as an Incident Commander Type 3 (ICT3) Qualified as one of the General Staff Section Chiefs at the Type 2 level
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
	S-403: Information Officer (2001)
<b>Hours:</b>	28-32
<b>Designed For:</b>	Personnel desiring to be qualified as Public Information Officer Type 2 (PIO2)
<b>Description:</b>	This course meets the training requirements for a Public Information Officer Type 2. Topics include information organization and assignment, developing a communications strategy, information operations, creating a safe environment, effective media relations, incident within an incident, community relations analysis, documentation, demobilization, and transitioning. Students must pass a final exam.
<b>Prerequisites:</b>	S-190
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None

## VENDOR

NWCG

National Wildlife Coordinating Group

<http://www.nwcg.gov/pms/pubs/catalog.htm>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

	S-404: Safety Officer (2002)
<b>Hours:</b>	24
<b>Designed For:</b>	Personnel desiring to be qualified as a Safety Officer
<b>Description:</b>	Designed to meet the training needs of the Safety Officer position in the incident command system. Topics include safety officer effectiveness, analysis techniques, safety messages, briefings and reports, and high hazard operations.
<b>Prerequisites:</b>	None
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
	S-420: Command and General Staff (2002)
<b>Hours:</b>	36
<b>Designed For:</b>	Personnel desiring to be qualified as an Incident Commander Type 2 (ICT2) or Command Or General Staff positions
<b>Description:</b>	Designed to prepare the student to function effectively in the position of a Type 2 Incident Commander, Command, or General Staff. The focus is on the application of previously acquired knowledge and skills. Students will participate in two types of groups (teams and similar position) during exercises that include a simulation of the mobilization, management, and demobilization phases of a rapidly accelerating Type 2 wildfire that has potential to become a Type 1 incident.
<b>Prerequisites:</b>	None required Suggested completion of all prerequisite experience and course work to be qualified as an Incident Commander Type 2 (ICT2) or any Command/General Staff position
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
	S-430: Operations Section Chief (2006)
<b>Hours:</b>	24
<b>Designed For:</b>	Personnel desiring to be qualified as an Operations Section Chief Type 2 (OSC2)
<b>Description:</b>	Designed to meet the training needs of the Operations Section Chief Type 2. This course is interactive in nature and contains several exercises designed to facilitate group and classroom discussion.
<b>Prerequisites:</b>	Qualified as a Division/Group Supervisor (DIVS)
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None
	S-440: Planning Section Chief (2001)
<b>Hours:</b>	20
<b>Designed For:</b>	Personnel desiring to be qualified as a Planning Section Chief Type 2 (PSC2)
<b>Description:</b>	Designed to meet a portion of the training needs of the Planning Section Chief Type 2. Topics include information gathering, strategies, meetings and briefings, incident action plans (IAP), interactions, forms, documents, supplies, demobilization, and an optional technology section. In the final exercise, the students observe a simulated planning meeting and use the information derived to find errors in an IAP. Students must pass the unit tests and the final exercise to successfully complete the course.
<b>Prerequisites:</b>	Successful completion of the pre-course work Qualified as a Situation Unit Leader (SITL) Qualified as a Resources Unit Leader (RESL)
<b>Certification:</b>	None
<b>Max Class Size:</b>	40
<b>Restrictions:</b>	None

## VENDOR

NWCG

National Wildlife Coordinating Group

<http://www.nwcg.gov/pms/pubs/catalog.htm>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

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**S-445: Incident Training Specialist (2009)**  
**Hours:** 14-18  
**Designed For:** Personnel desiring to be qualified as Training Specialist (TNSP) and should be based on technical competence in the ICS, availability to participate on incidents, and displayed interest in improving training  
**Description:** Designated to train personnel to perform the duties of a Training Specialist. Duties include coordinating incident training opportunities and activities, ensuring the quality of training assignments, and completing documentation of the incident training.  
**Prerequisites:** None  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

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**S-450: Logistics Section Chief (2002)**  
**Hours:** 16  
**Designed For:** Personnel desiring to be qualified as a Logistics Section Chief Type 2 (LSC2)  
**Description:** Designed to meet the national core needs of the Logistics Section Chief Type 2. Topics include arriving properly an incident, gathering information to access the assignment, beginning initial planning activities, determining that facilities, services, and materials are provided for the incident, planning, staffing, and managing the Logistics Section, coordinating with other sections, and implementing the demobilization plan.  
**Prerequisites:** Qualified as a Facilities Unit Leader (FACL)  
Qualified as a Ground Support Unit Leader (GSUL) **or**  
Qualified as a Facilities Unit Leader (FACL)  
Qualified as a Supply Unit Leader (SUPL)  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

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**S-460: Finance/Administration Section Chief (2001)**  
**Hours:** 24  
**Designed For:** Personnel desiring to be qualified as a Finance/Administration Section Chief Type 2 (FSC2)  
**Description:** Designed to meet a portion of the training needs in the finance section organization. Topics include pre-dispatch and response, organization and operation of the finance function, and demobilization.  
**Prerequisites:** Qualified as a Time Unit Leader (TIME)  
Qualified as a Procurement Unit Leader (PROC) **or** Cost Unit Leader (COST)  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

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**S-490: Advanced Wildland Fire Behavior Calculations (2008)**  
**Hours:** 40  
**Designed For:** Personnel desiring to be qualified as a Fire Behavior Analyst (FBAN) or Long Term Fire Analyst (LTAN)  
**Description:** This course is the fourth in a series designed to develop fire behavior and prediction knowledge and skills and prepares the student for S-590, Advanced Fire Behavior Interpretation. Examples and exercises are divided between wildfire and prescribed fire applications. The student learns to project fire perimeter growth based on weather predictions and knowledge of fuels and topography, using a variety of scenarios.  
**Prerequisites:** S-390 and proficiency using non-automated fire behavior processors and the latest computerized fire modeling system  
**Certification:** None  
**Max Class Size:** 40  
**Restrictions:** None

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## VENDOR

NWCG

National Wildlife Coordinating Group

<http://www.nwcg.gov/pms/pubs/catalog.htm>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

S-491: Intermediate National Fire Danger Rating System (2003)

**Hours:** 32

**Designed For:** Dispatchers and others charged with editing and inputting weather information into WIMS used for NFDRS calculations, fire management staff who apply NFDRS outputs to decision making, and Fire Behavior Specialists who incorporate NFDRS products into assessments and projections

**Description:** The course develops the knowledge and skill to operate, maintain, and manage the NFDRS at the local unit. Course lecture and exercises support practical and technical application of the intellectually complex subject matter. The course requires a computer classroom with internet access to present.

**Prerequisites:** S-290

Successful completion of the prequalifying course work

Intermediate skills with the current Windows™ operating system

Possess a valid Weather Information Management System (WIMS) logon identification

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

## VENDOR

NWCG

National Wildlife Coordinating Group

<http://www.nwcg.gov/pms/pubs/catalog.htm>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Terrorism Liaison Officer - Basic (2013)  
**Hours:** 8  
**Designed For:** Firefighters, Fire Investigators, Fire Inspectors, and Fire Dispatchers  
**Description:** To educate the basic entry level Terrorism Liaison Officer with the policies and procedures of the Fusion Center which they will be working with in their Area of Responsibility. This training essential for fire service personnel working with multiple discipline stakeholders who share information with the California Fusion Centers.  
**Prerequisites:** None  
**Certification:** None  
**Max. Class Size:** 50  
**Restrictions:** Public Safety Personnel only not intended for General Public.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ TLO Basic Student Manual (distributed in class by the instructor)		First Edition	Fusion Center
REQUIRED INSTRUCTOR MATERIALS			
▪ TLO Instructor Guide (distributed by the Fusion Center to approved instructors)		First Edition	Fusion Center

VENDORS	
Fusion Center	<a href="https://ncric.org">https://ncric.org</a>

## TERRORISM LIAISON OFFICER-BASIC COURSE OUTLINE

### Module 1 – Overview and Introduction..... 1:00

**Scope Statement:** Participants are provided an overview of the course and a brief history of the national and statewide TLO concept. The module also introduces key, foundational concepts and sets the stage for instruction in subsequent modules.

### Module 2 – The Role of the TLO.....1:00

**Scope Statement:** Participants will be given a brief history and evolution of fusion centers and their intended functionality. Participants will be introduced to the history and development of the TLO Program in California, and the role of the TLO in support of the California State Threat Assessment System (STAS). The participants will be introduced to their unique Regional Threat Assessment Center and their individual capabilities-LECC, JRIC, OCIAC, NCRIC, CCIC Specifically, instruction addresses TLO information sharing; terrorism/all-crimes information collection; internal agency training; public and private sector outreach; and TLO recruitment. Instruction addresses TLO role in identifying crime trends; officer safety issues; and indicators and warning signs of potential terrorist activities. During this module, participants also receive instruction on safeguarding restricted information and will complete non-Disclosure agreement.

### Module 3 – TLO and Fusion.....2:00

**Scope Statement:** This module addresses the TLO role within a post September 11, 2001 domestic intelligence system and how the information provided by TLO into the fusion center is used to facilitate the initiation of investigations and/or the direct interdiction of criminal activities and terrorism threats. Participants are introduced to the distinctions between investigations versus intelligence and their diverse purposes. Instruction also familiarizes participants with the organization and structure of the U.S. Intelligence Community and its relationship with local, county, state stakeholders. Participants will receive instruction on legal issues and privacy policies such as 28CFR, ensuring that the student understands that criminal intelligence systems and operations conform to the privacy and constitutional rights of individuals.

### Module 4 - Overview of Terrorism .....3:50

**Scope Statement:** Instruction and participant discussions in this 3.5-hour module review the defining characteristics of terrorism. The module addresses terrorism across the spectrum of transnational, international, domestic, and single-issue categories. Instruction defines each terrorism category and further addresses their various distinctions and characteristics. Additionally, instruction addresses exemplar groups practicing these various types of terrorism and explores each group's history, capabilities



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## TERRORISM LIAISON OFFICER–BASIC COURSE OUTLINE (cont'd)

and intentions, MO, and future outlook as a threat to national interests. Terrorism groups and movements addressed in this introductory overview include: transnational terrorist organizations such as al Qaeda and its affiliates in Yemen, North Africa, Somalia, and Indonesia; international terrorist organizations such as Hezbollah and HAMAS; domestic terrorist phenomena such as homegrown violent jihadist, white supremacist, and anti-government groups; and single-issue movements such as animal rights, environmental extremists, and anti-abortionist.

### Module 5 - Course Conclusion .....0:30

**Scope Statement:** Instruction and participant discussion in this 30-minute module reviews relevant lessons and clarifies core concepts as requested by participants or as identified by instructors.

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## ICS-ALL RISK COURSES

S-330: Task Force/Strike Team Leader All Risk (2002)

**Hours:** 32

**Designed For:** Individuals qualifying within the ICS as a Task Force or Strike Team Leader

**Description:** This course contains generic curriculum regarding tactics and strategy as it relates to the management of a strike team or task force and meets the S-330 training requirements of the California Incident Command Certification System (CICCS) for the position of Strike Team/Task Force Leader-All Risk.

**Prerequisites:** I-300, S-290

**Certification:** N/A

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fireline Handbook (NFES 0065)		Current	NWCG
▪ ICS 420-1 Field Operations Guide (Pocket)		Current	FIRESCOPE
▪ Student Manual		2002	FIRESCOPE or SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Fireline Handbook (NFES 0065)		Current	NWCG
▪ ICS 420-1 Field Operations Guide (Pocket)		Current	FIRESCOPE
▪ Instructor Guide		2002	FIRESCOPE or SFT
▪ PowerPoint Slides on CD-ROM (Optional)		2002	SFT
▪ Student Manual		2002	FIRESCOPE or SFT
VENDOR			
FIRESCOPE	FF Resources of CA Organized for Potential Emer.		<a href="http://www.firescope.org">www.firescope.org</a>
NWCG	National Wildlife Coordinating Group		<a href="http://www.nwcg.gov/pms/pubs/catalog.htm">www.nwcg.gov/pms/pubs/catalog.htm</a>
SFT	State Fire Training		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## S-330 ALL RISK COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on Strike Team/Task Forces of various resources.
- Information on implementing Strike Team/Task Force Leader responsibilities prior to and during mobilization and demobilization.
- Information on implementing Strike Team/Task Force Leader responsibilities during incident activities.
- Information on identifying the hazards and risks throughout Strike Team/Task Forces deployment and describe how to mitigate them.
- Information on recognizing, planning for, and describing how to implement appropriate tactics in various all risk incident situations with various resources organized into strike teams or task forces.

Course Content: ..... 32:00

Unit 1: Course Introduction

Course Introduction ..... 1:30

Unit 2: Pre-deployment Responsibilities

Concept of Strike Team/Task Force Leader ..... 1:00

Resource Typing Standards ..... 1:30

ICS Resource Designation System ..... 1:30

Pre-Dispatch Preparation ..... 0:30

Unit 3: Incident Responsibilities

Administration ..... 1:00

Supervision ..... 1:15

Coordination With Other ICS Functional Areas ..... 0:45

Strike Team/Task Force Response ..... 2:00

Assignment/Status ..... 2:00

Demobilization ..... 0:45

Unit 4: Tactics and Safety

Risk Management ..... 2:00





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## S-330 ALL RISK COURSE OUTLINE

Entrapment Avoidance.....	2:30
Tactical Considerations – Wildland/Urban Interface .....	2:30
Tactical Considerations – Urban Search and Rescue .....	1:00
Tactical Considerations – Swiftwater/Flood .....	0:30
Tactical Considerations – Multi-casualty.....	0:30
Independent Action vs. Freelancing.....	0:30
Pre-course Assignment Review .....	0:45
Written Quizzes .....	1:30
Local/Agency Specific Issues and Material .....	3:30
Final Written Exam .....	1:00
Final Scenario.....	2:00





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

S-339: Division/Group Supervisor All Risk (2000)

**Hours:** 24

**Designed For:** Individuals qualifying within the ICS as a Division/Group Supervisor

**Description:** This course teaches the student the management skills necessary to fill the position of Division/Group Supervisor within the framework of ICS. It does not teach tactics or strategy and refers to these only to enhance the particular management technique associated with them.

**Prerequisites:** I-300, S-330

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Aids to Determining Fuel Models for Estimating Fire Behavior (NFES 1574)			NWCG
▪ Fireline Handbook (NFES 0065)			NWCG
▪ Hazardous Materials Operational System Description (ICS-HM-120-1)			FIRESCOPE
▪ ICS 420-1 Field Operations Guide (Pocket)			FIRESCOPE
▪ ICS for Fire Department Structure Fire Operations			FIRESCOPE
▪ Incident Response Pocket Guide (NFES 1077)			NWCG
▪ Student Manual		1999	FIRESCOPE or SFT
▪ Urban Search and Rescue – Operational System Description (ICS-US&R-120-1)			FIRESCOPE
REQUIRED INSTRUCTOR MATERIALS			
▪ Aids to Determining Fuel Models for Estimating Fire Behavior (NFES 1574)			NWCG
▪ Fireline Handbook (NFES 0065)			NWCG
▪ Hazardous Materials Operational System Description (ICS-HM-120-1)			FIRESCOPE
▪ ICS 420-1 Field Operations Guide (Pocket)			FIRESCOPE
▪ ICS for Fire Department Structure Fire Operations			FIRESCOPE
▪ Incident Response Pocket Guide (NFES 1077)			NWCG
▪ Instructor Guide		1999	FIRESCOPE or SFT
▪ Student Manual		1999	FIRESCOPE or SFT
▪ Urban Search and Rescue – Operational System Description (ICS-US&R-120-1)			FIRESCOPE
VENDORS			
FIRESCOPE	FF Resources of CA Organized for Potential		<a href="http://www.firescope.org">www.firescope.org</a>
NWCG	National Wildlife Coordinating Group		<a href="http://www.nwcg.gov/pms/pubs/catalog.htm">www.nwcg.gov/pms/pubs/catalog.htm</a>
SFT	State Fire Training		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>

## S-339 ALL RISK COURSE OUTLINE

Course Objectives: To provide the student with...

- The concepts of a division and group as it relates to the position of Division/Group Supervisor.
- The opportunity to apply Division/Group fundamentals to ALL RISK incidents.
- The opportunity to prepare for and participate in planning meetings to develop and implement division/group objectives.
- The opportunity to participate in information gathering practices.
- The opportunity to participate in an operational period briefing and a division/group briefing.
- Information on managing and adjusting the operations organization.
- An understanding of why and when tactics may need to be adjusted.
- Information on the role of the Division/Group Supervisor in risk assessment and safety management.
- The opportunity to demonstrate how to successfully coordinate internal and external relations.

Course Content: ..... 24:00

Unit 1: Course Introduction

Course Introduction ..... 0:30

Concept of Division/Group ..... 1:30

Pre-course Work Assignment ..... 5:00

Unit 2: Planning

Information Gathering ..... 2:00

Briefing ..... 2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## S-339 ALL RISK COURSE OUTLINE

Unit 3: Supervision	
Personnel Management .....	1:00
Risk Management .....	4:00
Unit 4: Coordination	
Internal/External Coordination.....	5:00
Written Testing .....	1:00
Scenario Testing.....	2:00

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

S-430: Operations Section Chief All Risk (2000)

**Hours:** 32

**Designed For:** Individuals qualifying within the ICS as an Operations Section Chief

**Description:** This course presents the command, management, and supervision concepts necessary to function as an Operations Section Chief. Topics include command principles, organization of the operations section, briefings, developing the operations portion of the incident action plan, and supervising operations.

**Prerequisites:** I-400, S-330, S-339

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ ICS 420-1 Field Operations Guide (Pocket)			FIRESCOPE
▪ Student Manual		1999	FIRESCOPE or SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ ICS 420-1 Field Operations Guide (Pocket)			FIRESCOPE
▪ Instructor Guide		1999	FIRESCOPE or SFT
▪ Student Manual		1999	FIRESCOPE or SFT
VENDORS			
FIRESCOPE	FF Resources of California Organized for Potential		<a href="http://www.firescope.org">www.firescope.org</a>
SFT	State Fire Training		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## S-430 ALL RISK COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on assessing incident assignments and determining immediate needs and actions.
- Information to prepare for strategy meetings and planning meetings to develop the Incident Action Plan.
- Information to assist in the development, approval, and implementation of the Demobilization Plan.
- The opportunity to participate in an Operational Period Briefing.
- Information to manage and adjust the operations organization.
- An understanding of why and when tactics may need to be adjusted.
- Information on the role of the OSC in risk assessment and safety management.
- The opportunity to demonstrate how to successfully coordinate internal and external relations.

Course Content: ..... 32:00

Unit 1: Course Introduction

Course Introduction ..... 1:00

Operations Section Chief Role & Responsibilities ..... 2:00

Unit 2: Planning

Management Cycle ..... 2:00

Information Gathering ..... 1:00

Strategy and Planning ..... 2:00

Structure Protection Planning ..... 2:00

Demobilization Planning ..... 0:30

Unit 3: Supervision

Supervision and Communication ..... 2:00

Managing and Adjusting the Operations ..... 2:00

Risk Assessment and Safety Management ..... 1:00

Unit 4: Coordination

Personnel Interaction ..... 7:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## INSTRUCTOR COURSES

**Ethical Leadership in the Classroom (2007)**  
**Hours:** 8  
**Designed For:** State Fire Training Instructors  
**Description:** This one-day course is designed to provide you with concepts and theories of the ethical decision-making process, help you recognize the signs of an ethical dilemma, identify advantages and disadvantages of ethical behavior, and an opportunity to review examples of classroom situations in which instructors used their leadership role to either encourage or discourage ethical behavior. Participants in this class will examine ethics, values, principles, and morality. State Fire Training's Instructor Code of Ethics/Conduct will also be presented.  
**Prerequisites:** None  
**Certification:** None  
**Max Class Size:** 30  
**Restrictions:** This course *may* require a State Fire Training representative in addition to the Primary Instructor.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Code of Ethics/Conduct (double-sided) (2 per student)		2006	SFT
▪ Ethics Awareness Inventory		Fifth	TWI
▪ Value Cards		2007	Instructor
REQUIRED INSTRUCTOR MATERIALS			
▪ Facilitator's Guide (includes value cards for printing)		2007	SFT
▪ PowerPoint Slides		2007	SFT
▪ The Emperor's Club DVD		2002	Various
VENDOR			
SFT	State Fire Training Bookstore (916-445-8158)		
TWI	The Williams Institute, (480-517-1891)		www.ethics-TWI.org

## ETHICAL LEADERSHIP IN THE CLASSROOM COURSE OUTLINE

Course Objectives: To provide the student with...

- A fundamental awareness of ethical values within fire service instructors by exploring examples of ethical behavior in the classroom environment.
- The basic concepts, terms, and theories of ethical decision-making processes.
- An instructor code of ethics.
- Concepts in ethical leadership.
- Ethics awareness and a method for assessing personal values.
- A process for analyzing the role of the fire service instructor in maintaining the value system through video case studies and classroom ethical situations.

Course Content .....	8:00
Introduction and Overview .....	0:30
Instructor Code of Ethics/Conduct .....	1:00
Ethics Awareness Inventory .....	1:30
Ethics, Principles, and Values .....	2:00
Assessing Personal Core Values .....	1:00
Recognizing Ethical Dilemmas .....	1:00
Ethical Choices .....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

- Course:** Certification Examination Evaluator Training (2016)
- Hours:** 6
- Designed For:** Personnel affiliated with an Accredited Regional Training Program (ARTP) or an Accredited Local Academy (ALA) who will be serving as either a Registered Lead Evaluator or Skills Evaluator for a certification examination process (written and/or skills).
- Description:** This course provides in-depth instruction on the registration requirements for Registered Lead Evaluators and Skills Evaluators, processes and procedures to request and successfully deliver both written and skills certification examinations, and information on making the transition from instructor to evaluator.
- Prerequisites:** Endorsement by the director of an ARTP or ALA. Lead Evaluator candidates must be a Registered Instructor in good standing with SFT; Skills Evaluator candidates must meet the requirements to serve as a Fire Fighter I Instructor as set forth in the SFT Procedures manual.
- Certification:** None
- Standard:** Complete all practical exercises
- Max. Class Size:** 60
- Restrictions:** This class is scheduled and taught by State Fire Training staff only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Handouts		----	SFT Web
▪ Certification Examination and National Recognition Procedures		7.1	SFT Web
REQUIRED INSTRUCTOR MATERIALS			
Instructor Guide		1st	SFT
Instructor PowerPoint		1st	SFT
VENDORS			
SFT Web	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/evaluatorresources">osfm.fire.ca.gov/training/evaluatorresources</a>	

## EVALUATOR TRAINING COURSE OUTLINE\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: History of Certification Examinations
- Topic 1-3: Certification Examination Sites

### Unit 2: Registered Skills Evaluator

- Topic 2-1: Registration Requirements and Responsibilities

### Unit 3: Registered Lead Evaluator

- Topic 3-1: Registration Requirements and Responsibilities

### Unit 4: Certification Examination Administration Process

- Topic 4-1: SFT/Agency Agreement
- Topic 4-2: Requesting and Examination
- Topic 4-3: Fees
- Topic 4-4: Examination Request Process
- Topic 4-5: Remote Delivery



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## EVALUATOR TRAINING COURSE OUTLINE\*

### Unit 5: Conducting the Skills Examination

- Topic 5-1: Skills Exam Procedures
- Topic 5-2: IAP Development
- Topic 5-3: Security
- Topic 5-4: Skills Exam Scoring
- Topic 5-5: Required Skills
- Topic 5-6: Observation Skills
- Topic 5-7: Skills Exam Retake Procedures
- Topic 5-8: Skills Exam Recordkeeping

### Unit 6: Conducting the Written Examination

- Topic 6-1: Written Exam Development
- Topic 6-2: On-Line Written Exam
- Topic 6-3: Written Exam Procedures
- Topic 6-4: Written Exam Scoring
- Topic 6-5: Written Exam Re-Take Procedures

### Unit 7: Appeals and Audits

- Topic 7-1: Appeals and Audits

### Unit 8: Practical Exercises

- Topic 8-1: Evaluation Scenarios

### Unit 9: Discussion & Summary

- Topic 9-1: Discussion & Summary

\*This is an abbreviated Course Plan. The full version is located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Instructor 2A: Techniques of Evaluation (1991)

**Hours:** 40

**Designed For:** Instructors and supervisors who are responsible for evaluating performance

**Description:** This course provides the instructor/supervisor with the techniques of evaluation. Course includes: Construction of written and performance tests, as well as test planning, test analysis, test security, and evaluation of test results to determine instructor and student effectiveness. Essential course for writing valid, objective tests.

**Prerequisites:** Fire Instructor 1A, Fire Instructor 1B

**or**

Training Instructor 1A, Training Instructor 1B, Training Instructor 1C

**Certification:** Fire Instructor II

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Supplement		1994	SFT
▪ Fire Service Instructor		Fifth	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ Instructor Guide		1994	SFT
VENDORS			
CFCA	California Fire Chief's Association Bookstore (800-733-2314)		<a href="http://www.calchiefs.org">www.calchiefs.org</a>
FPP	Fire Protection Publications (800-654-4055)		<a href="http://www.ifsta.org">www.ifsta.org</a>
SFT	State Fire Training		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>

## FIRE INSTRUCTOR 2A COURSE OUTLINE

Course Objectives: To provide the student with...

- The methods and techniques for constructing and using tests.
- Information to recognize and avoid poor questions and tests.
- The opportunity to apply the principles of test construction through practice test construction exercises.
- Information to plan tests and to perform test and item analysis.
- A variety of methods for managing the evaluation process.

Course Content .....	40:00
Introduction .....	0:30
Purposes of Testing .....	0:30
Principles of Testing .....	0:45
Uses of Oral Tests .....	0:30
Test Planning .....	1:00
True/False Test Construction .....	0:30
Multiple Choice Test Construction .....	1:00
Uses of Subjective Tests .....	0:30
Theory of Manipulative Performance Testing .....	0:45
Constructing and Administering Manipulative Performance Tests .....	0:45
Test and Item Analysis .....	0:45
Matching Test Construction .....	0:30
Short Answer Test Construction .....	0:30
Completion Test Construction .....	0:30
Periodic Personnel Evaluations .....	0:45
Managing the Evaluation Process .....	0:45
Administering Tests to Meet Minimum Standards .....	0:30
Using Assessment Centers as a Training Rescue .....	0:30
Group Assignments .....	23:30
Quizzes and Review .....	4:30
Course Review and Summative Exam.....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Instructor 2B: Group Dynamics and Problem Solving (1990)

**Hours:** 40

**Designed For:** Instructors, Training Officers, and management personnel who must lead discussions or staff meetings

**Description:** This course is designed to develop leadership skills. Group dynamics, problem-solving techniques, and interpersonal relations are utilized in staff meetings, brainstorming sessions, and conference meetings. Skills are developed for conducting formal public meetings, panel discussions, and forums.

**Prerequisites:** Fire Instructor 1A, Fire Instructor 1B  
**or**

Training Instructor 1A, Training Instructor 1B, Training Instructor 1C

**Certification:** Fire Instructor II  
Fire Marshal

**Max Class Size:** 30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		Second	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
VENDOR			
SFT	State Fire Training Online Bookstore	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE INSTRUCTOR 2B COURSE OUTLINE

Course Content .....	40:00
Concepts of Group Dynamics	
Nonverbal Codes	
Evaluating Interpersonal Relations	
Rating Errors	
Discussion Groups	
Group Interaction	
Conference Leading	
Conference Chart	
Work	
Suggestions For Discussion Leaders	
Decision Making	





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

**Hours:** 40  
**Designed For:** Personnel involved in the design and delivery of instructional programs  
**Description:** This course covers the principles and selection of media in the instructional process, employment of basic and advanced forms of instructional media, use of computers in the instructional process, and individualized instruction programs. Teaching demonstrations are required of all participants.  
**Prerequisites:** Fire Instructor 1A, Fire Instructor 1B  
**or**  
Training Instructor 1A, Training Instructor 1B, Training Instructor 1C  
**Certification:** Fire Instructor II  
**Max Class Size:** 30  
**Restrictions:** A course outline must be submitted and approved by State Fire Training.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
VENDOR			
FIRE INSTRUCTOR 2C COURSE OUTLINE			
▪ None (see "Restrictions" above)			

**Course:** Instructor I: Instructional Methodology (2014)

**Hours:** 40 (see course plan for breakdown)

**Designed For:** Personnel preparing for a college level fire instructor, Company Officer, or SFT Certified Training Instructor position

**Description:** This course provides the skills and knowledge needed for the entry level professional instructor to perform his or her duties safely, effectively, and competently. The curriculum is based on the 2012 edition of NFPA 1041 Standard for Fire Service Instructor Professional Qualifications. At the end of this course, candidates for Instructor I certification will be able to teach and deliver instruction from a prepared lesson plan utilizing instructional aids and evaluation instruments. The Instructor I will also be able to adapt a lesson plan and complete the reporting requirements to the local jurisdiction.

**Prerequisites:** None, but the following courses are recommended:

- Introduction to the Incident Command System (IS-100.B), FEMA OR
- National Incident Management System (IS-700.A), FEMA

**Certification:** Instructor I

**Standard:** Complete all group activities and formative tests. Pass all individual activities without omitting critical criteria as identified on the activity sheet.

**Max. Class Size:** 32

**Student/** 32:1, plus additional skills evaluators as needed to maintain 16:1 ratio for psychomotor

**Instructor Ratio:** teaching demonstrations.

**Restrictions:** None. However, instructor's must submit letter for approval of conditions outside the parameters of normal classroom instruction, e.g. class size exceeds 32, compressed course delivery, distance learning format.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪	Fire and Emergency Services Instructor (ISBN 9780879394417)	8th	IFSTA
▪	Fire Service Instructor: Principles and Practice (ISBN: 9781449670832)	2 <sup>nd</sup>	JB
REQUIRED INSTRUCTOR MATERIALS			
▪	Fire and Emergency Services Instructor (ISBN 9780879394417)	8th	IFSTA
▪	Fire Service Instructor: Principles and Practice (ISBN: 9781449670832)	2 <sup>nd</sup>	JB
▪	Online Instructor Resources	2014	SFT
▪	Various other Instructor Resources	2014	SFT-CP
VENDORS			
IFSTA	International Fire Service Training Association	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
SFT-CP	Course Plan	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
INSTRUCTOR I COURSE CONTENT			

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Instructor I Certification Process
- Topic 1-3: Definitions of Duty

### Unit 2: Instructional Development

- Topic 2-1: Determining Needed Adaptations
- Topic 2-2: Adapting Lesson Plans



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## INSTRUCTOR I COURSE CONTENT (cont'd)

### Unit 3: Instructional Delivery

- Topic 3-1: Organizing the Learning Environment
- Topic 3-2: Presenting Lessons
- Topic 3-3: Adjusting Presentations for Changing Circumstances
- Topic 3-4: Maintaining a Safe and Positive Learning Environment
- Topic 3-5: Operating Instructional Audiovisual Equipment
- Topic 3-6: Utilizing Audiovisual Materials

### Unit 4: Evaluation and Testing

- Topic 4-1: Administering and Conducting Tests
- Topic 4-2: Grading and Securing Student Examinations
- Topic 4-3: Reporting Test Results
- Topic 4-4: Providing Evaluation Feedback to Students
- Topic 4-5 Evaluating Student Instructor Lesson Demonstrations

### Unit 5: Program Management

- Topic 5-1: Assembling Course Materials
- Topic 5-2: Preparing Resource Requests
- Topic 5-3: Scheduling Instructional Sessions
- Topic 5-4: Completing and Submitting Training Records



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Instructor II: Instructional Development (2014)

**Hours:** 40 (see course plan for breakdown)

**Designed For:** Personnel preparing for a college level fire instructor, Company Officer, or SFT Certified Training Instructor position

**Description:** This course provides the skills and knowledge needed for the intermediate level professional instructor to perform his or her duties safely, effectively, and competently. The curriculum is based on the 2012 edition of NFPA 1041 Standard for Fire Service Instructor Professional Qualifications and the 2012 edition of NFPA 1403 Standard on Live Fire Training Evolutions. At the end of this course, candidates for Instructor II certification will be able to develop lesson plans and evaluation instruments, teach and deliver instruction, and evaluate and coach other instructors. The Instructor II will also be able to analyze resources and formulate a program budget.

**Prerequisites:** Instructional Methodology

Introduction to the Incident Command System (IS-100.B), FEMA OR National Incident Management System (IS-700.A), FEMA

**Certification:** Instructor II

**Standard:** Complete all group activities and formative tests. Pass all individual activities without omitting critical criteria as identified on the activity sheet.

**Max. Class Size:** 32

**Student/** 32:1, plus additional skills evaluators as needed to maintain 16:1 ratio for teaching

**Instructor Ratio:** demonstrations.

**Restrictions:** None; however, instructor's must submit letter for approval of conditions outside the parameters of normal classroom instruction, e.g. class size exceeds 32, compressed course delivery, distance learning format.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire and Emergency Services Instructor (ISBN 9780879394417)		8th	IFSTA
▪ Fire Service Instructor: Principles and Practice (ISBN: 9781449670832)		2 <sup>nd</sup>	JB
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Emergency Services Instructor (ISBN 9780879394417)		8th	IFSTA
▪ Fire Service Instructor: Principles and Practice (ISBN: 9781449670832)		2 <sup>nd</sup>	JB
▪ Online Instructor Resources		2014	SFT
▪ Various other Instructor Resources		2014	SFT-CP
VENDORS			
IFSTA	International Fire Service Training Association	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
SFT-CP	Course Plan	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
INSTRUCTOR II COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Instructor II Certification Process
- Topic 1-3: Definitions of Duty

## Unit 2: Instructional Development

- Topic 2-1: Creating Lesson Plans
- Topic 2-2: Modifying Lesson Plans



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## INSTRUCTOR II COURSE CONTENT (cont'd)

### Unit 3: Instructional Delivery

- Topic 3-1: Conducting Classes and Conference Sessions
- Topic 3-2: Supervising Training Activities

### Unit 4: Evaluation and Testing

- Topic 4-1: Developing Student Evaluation Instruments
- Topic 4-2: Developing a Class Evaluation Instrument

### Unit 5: Program Management

- Topic 5-1: Scheduling Instructional Sessions
- Topic 5-2: Formulating Budget Needs
- Topic 5-3: Acquiring Training Resources
- Topic 5-4: Coordinating Record-Keeping
- Topic 5-5: Evaluating Instructors

For Review Only

CFSTES

**Course:** Instructor III: Instructional Program Management (2014)

**Hours:** 36 (see course plan for breakdown)

**Designed For:** Fire Officers, Staff Officers, and other fire service managers with experience in fire-service training

**Description:** This course provides information on planning, developing, and implementing comprehensive programs and curricula. Topics include instructional development, program management, program and instructor evaluation, and test reliability and validity. The curriculum is based on the 2012 edition of NFPA 1041 Standard for Fire Service Instructor Professional Qualifications.

**Prerequisites:** Instructor I: Instructional Methodology and Instructor II: Instructional Development

**Certification:** Instructor III

**Standard:** Complete all activities and formative tests, and complete all summative tests with a minimum score of 80%

**Max. Class Size:** 24

**Student/** 24:1

**Instructor Ratio:**

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪	Fire and Emergency Services Instructor (ISBN 9780879394417)	8th	IFSTA
▪	Fire Service Instructor: Principles and Practice (ISBN: 9781449670832)	2 <sup>nd</sup>	JB
REQUIRED INSTRUCTOR MATERIALS			
▪	Fire and Emergency Services Instructor (ISBN 9780879394417)	8th	IFSTA
▪	Fire Service Instructor: Principles and Practice (ISBN: 9781449670832)	2 <sup>nd</sup>	JB
▪	SFT Course Plan	2014	SFT-CP
VENDORS			
IFSTA	International Fire Service Training Association	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
SFT-CP		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

### INSTRUCTOR III COURSE CONTENT\*

#### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Instructor III Certification Process
- Topic 1-3: Definition of Duty

#### Unit 2: Course and Curriculum Development

- Topic 2-1: Conduct an Instructional Needs Analysis
- Topic 2-2: Design Programs or Curriculum
- Topic 2-3: Modify Existing Curriculum
- Topic 2-4: Write Program and Course Goals
- Topic 2-5: Write Course Objectives
- Topic 2-6: Construct a Course Content Outline



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## INSTRUCTOR III COURSE CONTENT\*

### Unit 3: Managing the Evaluation System

- Topic 3-1: Develop Program and Course Evaluation Plans
- Topic 3-2: Construct a Performance-based Instructor Evaluation Plan
- Topic 3-3: Analyze Student Test Instruments
- Topic 3-4: Develop a System for the Acquisition, Storage, and Dissemination of Test Results

### Unit 4: Training Program Management

- Topic 4-1: Administer a Training Record System
- Topic 4-2: Develop Training Program Policy Recommendations
- Topic 4-3: Select Instructional Staff
- Topic 4-4: Write Specifications for Equipment Purchasing
- Topic 4-5: Present Evaluation Findings, Conclusions, and Recommendations

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Instructional Techniques for Company Officers

**Hours:** 16

**Designed For:** Company Officers and fire fighters responsible for in-service instruction and training

**Description:** This NFA hand-off course covers basic instructional concepts and techniques, effective communication, teaching from lesson plans, and methods of instruction with an emphasis on skills training and adult learning.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** 25

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			NTIS
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide			NTIS
VENDOR			
NTIS	National Technical Information Service (800-553-6847)		www.ntis.gov

INSTRUCTIONAL TECHNIQUES FOR COMPANY OFFICERS COURSE OUTLINE	
▪ None	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Regional Instructor Orientation

**Hours:** 7:30

**Designed For:** Personnel interested in teaching any State Fire Training courses

**Description:** This course is designed to provide instructors who will deliver SFT training programs with an overview of State Fire Training, CFSTES and FSTEP, instructor registration requirements, instructor responsibilities and accountability, how to schedule and return courses, and the SFT Procedures Manual.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** 30

**Restrictions:** This course is scheduled and taught by State Fire Training staff only.

REQUIRED STUDENT MATERIALS	EDITION	VENDORS
▪ Student Supplement	Current	N/A
▪ SFT Procedures Manual	Current	Online
REQUIRED INSTRUCTOR MATERIALS		
▪ Instructor Guide	Current	N/A

## REGIONAL INSTRUCTOR ORIENTATION COURSE OUTLINE

Course Objectives: To provide the student with...

- A working knowledge of the State Fire Training procedures for instructor registration, responsibilities, accountability, and maintenance.
- A working knowledge of the State Fire Training procedures for course administration.
- Tools to navigate the State Fire Training system successfully.

Course Content:	7:30
Administration and SFT Overview	2:15
Instructor Qualifications and Registration	1:15
Instructor Responsibilities and Accountability	1:00
State Fire Training Procedures Manual	2:30
Instructor Application Review Assistance	0:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Training Instructor 1A: Cognitive Lesson Delivery (2010)

**Hours:** 40

**Designed For:** Personnel preparing for a Company Officer, SFT Registered Instructor, or Training Officer position

**Description:** This is the first of a three-course series. Topics include methods and techniques for training in accordance with the latest concepts in career education; selecting, adapting, organizing, and using instructional materials appropriate for teaching cognitive lessons; criteria and methods to evaluate teaching and learning efficiency; and an opportunity to apply major principles of learning through teaching demonstrations. Two (2) student instructor teaching demonstrations are required of all.

**Prerequisites:** None

**Certification:** Fire Officer  
Training Instructor

**Max Class Size:** 32

Classes larger than 16 students require either another Master Instructor or a qualified skills evaluator to assist with evaluating the student instructor teaching demonstrations

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire and Emergency Services Instructor		Seventh	CFCA/FPP
▪ Training Instructor 1A Student Supplement		2010	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Emergency Services Instructor		Seventh	CFCA/FPP
▪ Instructor-developed Summative Exam		Current	Instructor
▪ PowerPoint Slides on CD-ROM (Optional)		2010	SFT
▪ Training Instructor 1A Guide		2010	SFT
▪ Training Instructor 1A Student Supplement		2010	SFT
VENDOR			
CFCA	CA Fire Chief's Assoc. Bookstore (800-733-2314)		www.calchiefs.org
FPP	Fire Protection Publications (800-654-4055)		www.ifsta.org
SFT	State Fire Training		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## TRAINING INSTRUCTOR 1A COURSE OUTLINE

Course Objectives: To provide the student with...

- A variety of methods and techniques for training in accordance with the latest concepts in career education.
- Information to select, adapt, organize, and utilize instructional materials appropriate for teaching cognitive lessons.
- Criteria and methods to evaluate teaching and learning efficiency.
- An opportunity to apply major principles of learning through teaching demonstrations.

Course Content: ..... 40:00

Unit 1: Introduction

Orientation and Administration ..... 1:00

Unit 2: Instructional Methodology, Adaptation, and Delivery

Fire and Emergency Services Instruction As It Relates To Cognitive Training ..... 1:00

Principles of Learning ..... 1:30

Defining Levels of Instruction ..... 0:30

Components of Learning Objectives ..... 0:30

Employing the Four-step Method of Instruction As It Relates To Cognitive Training ..... 1:00

Assembling and Reviewing Instructional Materials As They Relate To Cognitive Training ..... 1:00

Adapting Cognitive Lesson Materials ..... 1:30

Legal and Ethical Considerations As They Relate To Cognitive Training ..... 1:30

Methods of Instructional Delivery ..... 1:00

Presentation Techniques For Cognitive Training ..... 2:00

Managing the Learning Environment for Cognitive Training ..... 1:00

Selecting and Using Audiovisual Training Aids ..... 1:30

Effective Interpersonal Communications ..... 1:00

Student Attitudes and Behaviors ..... 1:00

Procedure Used For Evaluating Student Instructor Teaching Demonstrations ..... 1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## TRAINING INSTRUCTOR 1A COURSE OUTLINE

### Unit 3: Testing

Introduction To and Administration of Oral and Written Tests .....	1:00
Student Progress and Testing Feedback.....	0:30
Student Instructor Teaching Demonstrations .....	16:30
Formative Tests.....	3:00
Instructor-developed Summative Test.....	1:00

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Training Instructor 1B: Psychomotor Lesson Delivery (2010)

**Hours:** 40

**Designed For:** Personnel preparing for a Company Officer, SFT Registered Instructor, or Training Officer position

**Description:** This is the second of a three-course series. Topics include methods/techniques for training with the latest concepts in career education; selecting, adapting, organizing, and using instructional materials appropriate for teaching psychomotor lessons; criteria and methods to evaluate teaching and learning efficiency; and an opportunity to apply major principles of learning through teaching demonstrations. Two (2) student instructor teaching demonstrations are required of all.

**Prerequisites:** Training Instructor 1A

**Certification:** Fire Officer  
Training Instructor

**Max Class Size:** 32

Classes larger than 16 students require either another Master Instructor or a qualified skills evaluator to assist with evaluating the student instructor teaching demonstrations

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire and Emergency Services Instructor		Seventh	CFCA/FPP
▪ Training Instructor 1B Student Supplement		2010	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Emergency Services Instructor		Seventh	CFCA/FPP
▪ Instructor-developed Summative Exam		Current	Instructor
▪ PowerPoint Slides on CD-ROM (Optional)		2010	SFT
▪ Training Instructor 1B Instructor Guide		2010	SFT
▪ Training Instructor 1B Student Supplement		2010	SFT
VENDOR			
CFCA	CA Fire Chief's Association Bookstore (800-733-2314)		www.calchiefs.org
FPP	Fire Protection Publications (800-654-4055)		www.ifsta.org
SFT	State Fire Training		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## TRAINING INSTRUCTOR 1B COURSE OUTLINE

Course Objectives: To provide the student with...

- A variety of methods and techniques for training in accordance with the latest concepts in career education.
- Information to select, adapt, and use instructional materials appropriate for teaching psychomotor lessons.
- Criteria and methods to evaluate teaching and learning efficiency.
- An opportunity to apply major principles of learning through teaching demonstrations.

Course Content: ..... 40:00

Unit 1: Introduction

Orientation and Administration ..... 1:00

Unit 2: Instructional Methodology, Adaptation, and Delivery

Fire and Emergency Services Instruction As It Relates To Psychomotor Training ..... 1:00

Employing the Four-step Method of Instruction As It Relates To Psychomotor Training ..... 1:00

Presenting Psychomotor Instruction ..... 1:00

Safety Considerations For Psychomotor Instruction ..... 1:00

Managing the Learning Environment For Psychomotor Training ..... 1:00

Key Components of A Psychomotor Lesson ..... 0:30

Adapting Psychomotor Lesson Materials ..... 1:30

Selecting and Using Training Aids ..... 1:00

Procedure Used For Evaluating Student Instructor Teaching Demonstrations ..... 1:00

Legal and Ethical Considerations As They Relate To Psychomotor Training ..... 1:30

Unit 3: Testing

Introduction To and Administration of Performance Tests ..... 1:30

Student Progress and Testing Feedback ..... 1:00

Reviewing and Assembling Instructional Materials ..... 2:00

Student Instructor Teaching Demonstrations ..... 20:00

Formative Tests ..... 3:00

Instructor-developed Summative Test ..... 1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Training Instructor 1C: Instructional Development Techniques (2010)

**Hours:** 40

**Designed For:** Personnel preparing for SFT Registered Instructor or Training Officer position

**Description:** This is the third of a three-course series. Topics include methods and techniques for developing lesson plans, ancillary components, and tests in accordance with the latest concepts in career education. The course offers the opportunity to develop, receive feedback, and finalize instructional materials and deliver a teaching demonstration. Two (2) student instructor teaching demonstrations are required of all.

**Prerequisites:** Training Instructor 1A, Training Instructor 1B

**Certification:** Training Instructor

**Max Class Size:** 32

Classes larger than 16 students require either another Master Instructor or a qualified skills evaluator to assist with evaluating the student instructor teaching demonstrations

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire and Emergency Services Instructor		Seventh	CFCA/FPP
▪ Training Instructor 1C Student Supplement		2010	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Emergency Services Instructor		Seventh	CFCA/FPP
▪ Instructor-developed Summative Exam		Current	Instructor
▪ PowerPoint Slides on CD-ROM (Optional)		2010	SFT
▪ Training Instructor 1C Instructor Guide		2010	SFT
▪ Training Instructor 1C Student Supplement		2010	SFT
VENDOR			
CFCA	CA Fire Chief's Association Bookstore (800-733-2314)		www.calchiefs.org
FPP	Fire Protection Publications (800-654-4055)		www.ifsta.org
SFT	State Fire Training		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## TRAINING INSTRUCTOR 1C COURSE OUTLINE

Course Objectives: To provide the student with...

- A variety of methods and techniques for developing lesson plans and tests in accordance with the latest concepts in career education.
- Information to develop cognitive and psychomotor lesson plans and related supplemental materials.
- Various testing instruments to evaluate teaching and learning efficiency.
- An opportunity to develop, receive feedback, and finalize instructional materials and deliver a teaching demonstration.

Course Content: ..... 40:00

Unit 1: Introduction

Orientation and Administration ..... 1:00

Unit 2: Methodology

Reasons For Lesson Plan Development ..... 0:30

Sources of References and Materials ..... 0:30

Determining Levels of Instruction ..... 0:30

Employing the Four-step Method of Instruction ..... 0:30

Teaching English Learners and Students With Special Needs ..... 0:30

Unit 3: Instructional Preparation and Delivery

Elements of A Course Outline ..... 0:30

Components of Cognitive and Psychomotor Lesson Plans ..... 1:00

Developing Student Behavioral Objectives ..... 1:00

Developing A Cognitive Lesson Plan (SFT Format) ..... 2:00

Developing A Psychomotor Lesson Plan (SFT Format) ..... 1:30

Developing and Employing Ancillary Components ..... 1:00

Selecting and Employing Audiovisual Training Aids ..... 1:30

Transition Techniques Within and Between Audiovisual Training Aid Devices ..... 1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## TRAINING INSTRUCTOR 1C COURSE OUTLINE

Cleaning and Field Level Maintenance For Audiovisual Training Aid Devices .....	0:30
Developing Audiovisual Training Aids.....	1:30
Procedures For Evaluating Student Instructor Teaching Demonstrations .....	0:30
Unit 4: Testing	
Purpose, Selection Criteria, and Elements of Test Instruments.....	1:00
Creating Oral, Written, and Performance Tests .....	2:00
Methods of Administering and Grading Test Instruments (Oral and Written) .....	1:00
Student Instructor Teaching Demonstrations .....	17:30
Formative Tests.....	2:00
Instructor-developed Summative Test.....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## INVESTIGATION COURSES

Explosives Recognition and Reconnaissance

**Hours:** 40

**Designed For:** Fire investigators and law enforcement personnel

**Description:** Designed to instruct on the identification, description, and evaluation of explosives and fireworks, and to cover applicable laws and regulations. This class stresses legal preplanning for EOD incidents, bomb threat incident response blast mitigation, scene safety and security, evacuation protocols and scene search techniques. It does not involve handling of any explosives.

**Prerequisites:** Employment with a public safety agency or response to EOD incidents

**Certification:** None

**Max Class Size:** 40

**Restrictions:** This course is scheduled and taught by SFM Arson and Bomb Investigators only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS			
▪ None			

### EXPLOSIVES RECOGNITION AND RECONNAISSANCE COURSE OUTLINE

- None





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Investigation 1A: Fire Origin and Cause Determination (2011)

**Hours:** 40

**Designed For:** Fire fighters, fire investigators, and law enforcement officers assigned to fire investigation

**Description:** This course provides the participants with an introduction and basic overview of fire scene investigation. The focus of the course is to provide information on fire scene indicators and to determine the fire's origin.

**Prerequisites:** None

**Certification:** Fire Officer and Fire Investigator I

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		1996	SFT
REQUIRED INSTRUCTOR MATERIALS		EDITION	VENDORS
▪ Instructor Created Summative Exam		Current	Instructor
▪ Instructor Guide		1996	SFT
VENDOR			
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE INVESTIGATION 1A COURSE OUTLINE

Course Objectives: To provide the student with...

- To provide students with an overview of fire investigative practices and responsibilities associated with fire origin and cause.
- To provide students with technical information enabling them to determine the area of fire origin.
- To provide students with background information that will lead them to develop an opinion of the fire causes.
- To provide students with technical information on the State's arson laws and legal aspects of fire scene investigation.

Course Content .....	40:00
Orientation and Administration .....	1:00
Introduction to Fire Investigation .....	1:00
Fire Behavior .....	4:00
Legal Aspects of Fire Investigation .....	3:00
Arson Law .....	1:00
Fire Scene Documentation .....	1:00
Point of Origin Determination .....	4:00
Accidental Ignition Sources .....	3:00
Electrical Ignition Sources .....	2:30
Arson Fire Indicators .....	4:00
Incendiary Devices .....	1:00
Structure Fire Investigation .....	4:30
Vehicle Fire Investigation .....	2:00
Wildland Fire Investigation .....	4:00
Explosions .....	2:00
Course Review and Summative Exam .....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Investigation 1B: Techniques of Fire Investigation (2000)

**Hours:** 40

**Designed For:** Fire fighters and fire investigation personnel

**Description:** This course provides a deeper understanding of fire investigation and builds on Fire Investigation 1A. Topics include the juvenile fire setter, report writing, evidence preservation and collection, interview techniques, motives, and fire fatalities.

**Prerequisites:** Fire Investigation 1A

**Certification:** Fire Investigator I

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		2000	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ Instructor Guide		2000	SFT
▪ PowerPoint Slides on CD-ROM (Optional)		2000	SFT
VENDOR			
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE INVESTIGATION 1B COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on scene safety for the investigator including post blast investigation.
- Information on evidence recognition, documentation, and preservation including scene photography and trace evidence.
- Information on witness and suspect interviewing and interrogation, including juvenile law.
- Information on fire fatalities and injuries including scene investigation and mechanism of injury
- Information documentation of findings including case reports, insurance information, and other resources available to the investigator.

Course Content .....	40:00
Introduction to Investigation 1B.....	2:00
Motives.....	4:00
Scene Safety for the Investigator.....	1:00
Post Blast Investigation.....	1:00
Scene Photography.....	2:00
Evidence Recognition, Documentation, and Preservation.....	4:00
Trace Evidence.....	5:00
Introduction to Interviewing.....	2:00
Techniques of Interviewing.....	7:00
Introduction to Juvenile Law.....	1:00
Scene Investigation.....	2:00
Mechanism of Injury.....	2:00
Introduction to Case Reports.....	1:00
Insurance Information for the Fire Investigator.....	2:00
Resources.....	1:00
Building Construction Drawings and Terminology.....	2:00
Course Review and Summative Exam.....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Investigation 2A: Criminal and Legal Procedures (2003)

**Hours:** 40

**Designed For:** Fire investigation personnel

**Description:** This course provides information on conducting an explosive investigation and a surveillance operation, preparing a search warrant, testifying as an expert witness, assembling a curriculum vitae, and properly documenting a criminally caused fire. In addition, each student will be assigned to an investigative team to conduct an investigation of their own criminally caused fire. During this practical exercise, each team will be required to conduct the scene investigation, properly collect and document supportive evidence, prepare their written case report, and present their finding to a district attorney and a judge to review.

**Prerequisites:** Fire Investigation 1A, Fire Investigation 1B

**Certification:** Fire Investigator II

**Max Class Size:** 30 (24 optimum)

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Supplement		1989	SFT
▪ Search Warrants		2003	CDAA
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ Instructor Guide		1989	SFT
VENDOR			
CDAA	California District Attorney's Association		<a href="http://www.cdAA.org">www.cdAA.org</a>
SFT	State Fire Training Online Bookstore		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## FIRE INVESTIGATION 2A COURSE OUTLINE

Course Objectives: To provide the student with...

- Information to differentiate between the three effects of an explosion.
- Information and techniques to establish an arson corpus after examining a practical fire scene.
- A fire scene to examine and determine the appropriate evidence to support a fire cause.
- Information to appraise an explosion scene to determine if a criminal act has occurred.
- Techniques to organize their case investigation utilizing proper case reports, court exhibits, and testimony.
- The four different methods of heat transfer in order to compare their effects during a practical situation.
- Information to differentiate between the U.S. Supreme Court's findings and California State Supreme Court requirements in preparing a search warrant and apply the rules appropriately to a practical situation.
- Applicable California Arson Law section (s) pertaining to a practical situation.
- Information to recognize the elements necessary for the ignition and the sustained combustion of fuel and heat in a practical situation.
- Common scene indicators of arson and their applicability to a practical situation.
- The methodology and procedures required for a proper surveillance operation.

Course Content .....	40:00
Orientation and Administration .....	1:00
Explosion Investigation .....	3:00
Surveillance Investigations .....	3:00
Resume Reviews .....	1:00
Fourth Amendment Review Inspection and Search Warrants .....	4:00
Search Warrants .....	4:00
Live Fire Demonstration and Structure Burn Examination .....	4:00
Fire Scene Investigations .....	4:00
Report Writing and Documentation on Fire Scene Investigations .....	4:00
Court Room Demeanor .....	2:00
Case Preparation .....	6:00
Moot Court .....	2:00
Course Review and Summative Exam .....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Investigation 2B: Field Case Studies

**Hours:** 40

**Designed For:** Fire and law enforcement officers responsible for fire investigation and courtroom appearances

**Description:** This course provides advanced instruction in fire scene investigation, case preparation, and courtroom presentation. Topics include review of fire scene photography, sketching, evidence collection, interviewing and interrogation, and extensive use of simulations for developing and presenting an arson case.

**Prerequisites:** Fire Investigation 1A, Fire Investigation 1B, Fire Investigation 2A

**Certification:** Fire Investigator II

**Max Class Size:** 30 (24 optimum)

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		Second	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		Second	SFT
VENDOR			
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE INVESTIGATION 2B COURSE OUTLINE

- None



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## MANAGEMENT COURSES

CFSTES

**Course:** Chief Fire Officer 3A: Human Resource Management (2014)

**Hours:** 26 (see course plan for breakdown)

**Designed For:** The certified Company Officer advancing to the Chief Fire Officer classification

**Description:** This course provides students with a basic knowledge of the human resources requirements related to the roles and responsibilities of a Chief Fire Officer including developing plans for providing employee accommodation, developing hiring procedures, establishing personnel assignments, describing methods of facilitating and encouraging professional development, developing an ongoing education training program, developing promotion procedures, developing proposals for improving employee benefits, and developing a measurable accident and injury prevention program.

**Prerequisites:** Meet the educational requirements for Company Officer

**Certification:** Chief Fire Officer

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%.

**Max. Class Size:** 25

**Student/** 25:1

**Instructor Ratio:**

**Restrictions:** None.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Officer: Principles and Practice (ISBN: 9780763779290)		1 <sup>ST</sup>	JB
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer: Principles and Practice (ISBN: 9780763779290)		1 <sup>ST</sup>	JB
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD (ISBN: 9780763798390)		--	JB
▪ Chief Officer: Principles and Practice Instructors Test Bank CD (ISBN: 9780763798406)		--	JB
▪ Manager's Guide to the CA Firefighters Bill of Rights (ISBN 9780981767222)		1 <sup>st</sup>	Various
▪ Pocket Guide to the Firefighters Procedural Bill of Rights Act		2 <sup>ND</sup>	CPER
VENDORS			
JB	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
CPER	California Public Employee Relations (2012)		
CHIEF FIRE OFFICER 3A COURSE CONTENT			

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Officer Certification Process
- Topic 1-3: Definition of Chief Fire Officer
- Topic 1-4: Definition of Duties for Fire Officer III
- Topic 1-5: Definition of Duties for Wildland Fire Officer II

### Unit 2: Managing Personnel

- Topic 2-1: Developing Plans for Providing Employee Accommodation
- Topic 2-2: Developing Hiring Procedures
- Topic 2-3: Establishing Personnel Assignments
- Topic 2-4: Defining the Requirements of the California Firefighters Procedural Bill of Rights Act



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## CHIEF FIRE OFFICER 3A COURSE CONTENT

### Unit 3: Professional Development

- Topic 3-1: Describing Methods of Facilitating and Encouraging Professional Development
- Topic 3-2: Developing an Ongoing Education Training Program
- Topic 3-3: Developing Promotion Procedures

### Unit 4: Employee Benefits

- Topic 4-1: Developing Proposals for Improving Employee Benefits

### Unit 5: Employee Safety

- Topic 5-1: Developing a Measurable Accident and Injury Prevention Program

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Chief Fire Officer 3B: Budget and Fiscal Responsibilities (2014)

**Hours:** 18 (see course plan for breakdown)

**Designed For:** The certified Company Officer advancing to the Chief Fire Officer classification

**Description:** This course provides students with a basic knowledge of the budgeting requirements related to the roles and responsibilities of a Chief Fire Officer including developing a budget management system, developing a division or departmental budget, and describing the process for ensuring competitive bidding.

**Prerequisites:** Meet the educational requirements for Company Officer

**Certification:** Chief Fire Officer

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%.

**Max. Class Size:** 25

**Student/** 25:1

**Instructor Ratio:**

**Restrictions:** None.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Officer: Principles and Practice (ISBN: 9780763779290)		1 <sup>ST</sup>	JB
▪ Little Budget Book: A Portable Budgeting Guide for Local Government (ISBN: 9780963437457)		2 <sup>ND</sup>	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer: Principles and Practice (ISBN: 9780763779290)		1 <sup>ST</sup>	JB
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD (ISBN: 9780763798390)		--	JB
▪ Chief Officer: Principles and Practice Instructors Test Bank CD (ISBN: 9780763798406)		--	JB
▪ Little Budget Book: A Portable Budgeting Guide for Local Government (ISBN: 9780963437457)		2 <sup>ND</sup>	Various
VENDORS			
JB	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
CHIEF FIRE OFFICER 3B COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Officer Certification Process

## Unit 2: Budget Management

- Topic 2-1: Developing a Budget Management System
- Topic 2-2: Developing a Divisional or Departmental Budget

## Unit 3: Competitive Bidding

- Topic 3-1: Describing the Process for Ensuring Competitive Bidding



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Chief Fire Officer 3C: General Administration Functions (2014)

**Hours:** 24 (see course plan for breakdown)

**Designed For:** The certified Company Officer advancing to the Chief Fire Officer classification

**Description:** This course provides students with a basic knowledge of the administration requirements related to the roles and responsibilities of a Chief Fire Officer including directing a department record management system, analyzing and interpreting records and data, developing a model plan for continuous organizational improvement, developing a plan to facilitate approval, preparing community awareness programs, and evaluating the inspection program of the AHJ.

**Prerequisites:** Meet the educational requirements for Company Officer

**Certification:** Chief Fire Officer

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%.

**Max. Class Size:** 25

**Student/** 25:1

**Instructor Ratio:**

**Restrictions:** None.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Officer: Principles and Practice (ISBN: 9780763779290)		1 <sup>ST</sup>	JB
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer: Principles and Practice (ISBN: 9780763779290)		1 <sup>ST</sup>	JB
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD (ISBN: 9780763798390)		--	JB
▪ Chief Officer: Principles and Practice Instructors Test Bank CD (ISBN: 9780763798406)		--	JB
VENDORS			
JB	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
CHIEF FIRE OFFICER 3C COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Officer Certification Process

## Unit 2: Records and Data

- Topic 2-1: Directing a Department Record Management System
- Topic 2-2: Analyzing and Interpreting Records and Data

## Unit 3: Standards of Cover

- Topic 3-1: Developing a Model Plan for Continuous Organizational Improvement

## Unit 4: Community Risk Reduction

- Topic 4-1: Developing a Plan to Facilitate Approval
- Topic 4-2: Preparing Community Awareness Programs
- Topic 4-3: Evaluating the Inspection Program of the AHJ





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Company Officer 2A: Human Resource Management (2014)

**Hours:** 40 (see course plan for breakdown)

**Designed For:** Aspiring company officers

**Description:** This course provides information on the use of human resources to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene.

**Prerequisites:** Meet the educational requirements for Fire Fighter II

**Certification:** Fire Officer (Level I and II)

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%.

**Max. Class Size:** 32

**Student/** 32:1

**Instructor Ratio:**

**Restrictions:** None.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪	The required textbook chosen by the instructor	--	--
▪	Pocket Guide to the Firefighters Procedural Bill of Rights Act	2 <sup>ND</sup>	CPER
REQUIRED INSTRUCTOR MATERIALS			
▪	Fire and Emergency Services Company Officer (ISBN 0879392819) <b>OR</b> Fire Officer: Principles and Practice (ISBN: 9781449600621)	4 <sup>th</sup> 2 <sup>nd</sup>	IFSTA JB
▪	Pocket Guide to the Firefighters Procedural Bill of Rights Act	2 <sup>ND</sup>	CPER
▪	Online Instructor Resources	2014	SFT
▪	OPTIONAL - Human Resources Management for the Fire Service	1 <sup>ST</sup>	JB
▪	OPTIONAL - Fire and Emergency Services Administration: Management & Leadership Practices	2 <sup>ND</sup>	JB
▪	OPTIONAL – Fire Officer: Practice Student Workbook	2 <sup>ND</sup>	JB
VENDORS			
IFSTA	International Fire Service Training Association	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
CPER	California Public Employee Relations (2012)		
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
COMPANY OFFICER 2A COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Officer Certification Process
- Topic 1-3: Definition of Duty

## Unit 2: Human Resource Management

- Topic 2-1: Applying and Following Human Resources Policies and Procedures
- Topic 2-2: Creating a Professional Development Plan
- Topic 2-3: Assigning Nonemergency Tasks or Responsibilities
- Topic 2-4: Assigning Emergency Tasks or Responsibilities
- Topic 2-5: Directing Unit Members during a Training Evolution



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMPANY OFFICER 2A COURSE CONTENT

- Topic 2-6: Supervising and Coordinating the Completion of Assignments
- Topic 2-7: Performing and Reporting Job Evaluations
- Topic 2-8: Recommending Action for Member-Related Problems
- Topic 2-9: Improving Member Performance
- Topic 2-10: Explaining the Impact of the California Firefighters Procedural Bill of Rights

### Unit 3: Health and Safety

- Topic 3-1: Applying Safety Regulations
- Topic 3-2: Describing the Benefits of Wellness and Fitness Programs
- Topic 3-3: Conducting an Initial Accident Review
- Topic 3-4: Analyzing and Reporting on Member History



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Company Officer 2B: General Administrative Functions (2014)

**Hours:** 20 (see course plan for breakdown)

**Designed For:** Aspiring company officers

**Description:** This course provides information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public.

**Prerequisites:** Meet the educational requirements for Fire Fighter II

**Certification:** Fire Officer (Level I and II)

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%.

**Max. Class Size:** 32

**Student/** 32:1

**Instructor Ratio:**

**Restrictions:** None.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ The required textbook chosen by the instructor		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Emergency Services Company Officer (ISBN: 0879392819)		4 <sup>th</sup>	IFSTA
OR Fire and Emergency Services Administration: Management & Leadership Practices (9871449605834)		2 <sup>ND</sup>	JB
▪ Fire Officer: Principles and Practice (ISBN: 9781449600621)		2 <sup>nd</sup>	JB
▪ Management in the Fire Service (ISBN: 9780763751692)		4 <sup>TH</sup>	JB
▪ Online Instructor Resources		2014	SFT
▪ State and Federal laws and regulations		--	CALFIRE
VENDORS			
IFSTA	International Fire Service Training Association	<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>	
JB	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
CALFIRE	CA Laws Relating to Fires & FF	<a href="http://osfm.fire.ca.gov/firelaws/firelaw.php">http://osfm.fire.ca.gov/firelaws/firelaw.php</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
COMPANY OFFICER 2B COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Officer Certification Process
- Topic 1-3: Definition of Duty

## Unit 2: Administration

- Topic 2-1: Explaining the Impact of State and Federal Laws and Regulations
- Topic 2-2: Explaining Components of the Organization
- Topic 2-3: Executing Routine Administrative Functions
- Topic 2-4: Describing the Purchasing Process
- Topic 2-5: Developing a Project or Divisional Budget
- Topic 2-6: Preparing Budget Requests
- Topic 2-7: Collecting Incident Response Data
- Topic 2-8: Preparing a Report
- Topic 2-9: Developing Plans for Organizational Change



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## COMPANY OFFICER 2B COURSE CONTENT

- Topic 2-10: Developing a Policy or Procedure
- Topic 2-11: Recommending Changes to and Implementing Departmental Policies
- Topic 2-12: Preparing a News Release

### **Unit 3: Community and Government Relations**

- Topic 3-1: Explaining the Benefits of Cooperating with Allied Organizations
- Topic 3-2: Initiating Action to Address Community Needs
- Topic 3-3: Initiating Action to Address Citizen Concerns

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Executive Chief Fire Officer 4A: Human Resource Management (2014)

**Hours:** 28

**Designed For:** Executive Chief Fire Officer Candidate

**Description:** This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are recruitment, selection, and placement of human resources; the development of a positive and participative member/management program; the establishment and evaluation of a list of education and in-service training goals; appraisal of a member assistance program; and the evaluation of an incentive program to determine if the desired results are achieved.

**Prerequisites:** Meet educational requirements for Chief Fire Officer

**Certification:** Executive Chief Fire Officer

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 24

**Inst./Stud. Ratio** 1:24

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Required textbook chosen by the instructor		--	Various
▪ Access to a computer and printer		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer Principles and Practice, Jones & Bartlett Learning, ISBN: 9780763779290 <b>OR</b> Chief Fire Officer's Desk Reference, Jones & Bartlett Publishers, ISBN: 9780763729356 <b>OR</b> Managing Fire and Emergency Services, ICMA Publications, ISBN: 9780873267632 Human Resource Management for the Fire Service, IAFC, ISBN: 9780763749385		--	JBL JBL ICMA Various
▪ Activities		--	SFT
Reference Manual Options			
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798390)		--	JBL
▪ Chief Officer: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798406)		--	JBL
VENDORS			
JBL	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
ICMA	International City/County Management Association	<a href="http://www.icma.org">www.icma.org</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	

## EXECUTIVE CHIEF FIRE OFFICER 4A COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Fire Officer Certification Process



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## EXECUTIVE CHIEF FIRE OFFICER 4A COURSE CONTENT\*

- Topic 1-3: Definition of Duty for Executive Chief Fire Officer

### Unit 2: Human Resource Management

- Topic 2-1: Determining Human Resource Requirements
- Topic 2-2: Developing an Member/Management Program
- Topic 2-3: Establishing a Professional Development Program
- Topic 2-4: Evaluating Member Assistance Programs
- Topic 2-5: Evaluating Incentive Programs

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Executive Chief Fire Officer 4B: Community & Government Relations (2014)

**Hours:** 10:30

**Designed For:** Executive Chief Fire Officer Candidate

**Description:** This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching theme of this curriculum is assuming a leadership role in community events.

**Prerequisites:** Meet educational requirements for Chief Fire Officer

**Certification:** Executive Chief Fire Officer

**Standard:** Complete all summative tests with a minimum score of 80%.

Complete all activities and formative tests.

**Max. Class Size:** 24

**Inst./Stud. Ratio:** 1:24

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Required textbook chosen by the instructor		--	Various
▪ Access to a computer and printer		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer Principles and Practice, Jones & Bartlett Learning, ISBN: 9780763779290 <b>OR</b> Chief Fire Officer's Desk Reference, Jones & Bartlett Publishers, ISBN: 9780763729356 <b>OR</b> Managing Fire and Emergency Services, ICMA Publications, ISBN: 9780873267632		--	JBL JBL ICMA
▪ Activity		--	SFT
Reference Manual Options			
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798390)		--	JBL
▪ Chief Officer: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798406)		--	JBL
VENDORS			
JBL	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
ICMA	International City/County Management Association	<a href="http://www.icma.org">www.icma.org</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	

## EXECUTIVE CHIEF FIRE OFFICER 4B COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Fire Officer Certification Process
- Topic 1-3: Definition of Duty for Executive Chief Fire Officer

### Unit 2: Community and Government Relations

- Topic 2-1: Exercising Leadership in Community and Government Relations

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Executive Chief Fire Officer 4C: Administration (2014)

**Hours:** 30:30

**Designed For:** Executive Chief Fire Officer Candidate

**Description:** This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are developing a comprehensive, long range plan; evaluating and projecting training requirements, facilities, and building needs; completing a written comprehensive risk, hazard, and value analysis; and developing a plan for a capital improvement project or program.

**Prerequisites:** Meet educational requirements for Chief Fire Officer

**Certification:** Executive Chief Fire Officer

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 24

**Inst./Stud. Ratio** 1:24

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Required textbook chosen by the instructor		--	Various
▪ Access to a computer and printer		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer Principles and Practice, Jones & Bartlett Learning, ISBN: 9780763779290 <b>OR</b> Chief Fire Officer's Desk Reference, Jones & Bartlett Publishers, ISBN: 9780763729356 <b>OR</b> Managing Fire and Emergency Services, ICMA Publications, ISBN: 9780873267632		--	JBL JBL ICMA
▪ Activities		--	SFT
Reference Manual Options			
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798390)		--	JBL
▪ Chief Officer: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798406)		--	JBL
VENDORS			
JBL	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
ICMA	International City/County Management Association	<a href="http://www.icma.org">www.icma.org</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	

## EXECUTIVE CHIEF FIRE OFFICER 4C COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Fire Officer Certification Process
- Topic 1-3: Definition of Duty for Executive Chief Fire Officer





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## EXECUTIVE CHIEF FIRE OFFICER 4C COURSE CONTENT\*

### Unit 2: Administration

- Topic 2-1: Developing a Comprehensive, Long-range Plan
- Topic 2-2: Meeting Organization Training Goals
- Topic 2-3: Performing a Community Risk Assessment
- Topic 2-4: Developing a Capital Improvement Project or Program

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Executive Chief Fire Officer 4E: Health and Safety (2014)  
**Hours:** 14:30  
**Designed For:** Executive Chief Fire Officer Candidate  
**Description:** This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching theme of this curriculum is maintaining, developing, and providing leadership for a risk management program.  
**Prerequisites:** Meet educational requirements for Chief Fire Officer  
**Certification:** Executive Chief Fire Officer  
**Standard:** Complete all summative tests with a minimum score of 80%.  
 Complete all activities and formative tests.  
**Max. Class Size:** 24  
**Inst./Stud. Ratio:** 1:24  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Required textbook chosen by the instructor		--	Various
▪ Access to a computer and printer		--	--
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Officer Principles and Practice, Jones & Bartlett Learning, ISBN: 9780763779290 <b>OR</b> Chief Fire Officer's Desk Reference, Jones & Bartlett Publishers, ISBN: 9780763729356 <b>OR</b> Managing Fire and Emergency Services, ICMA Publications, ISBN: 9780873267632		--	JBL JBL ICMA
▪ Activity		--	SFT
Reference Manual Options			
▪ Chief Officer: Principles and Practice Instructor's Toolkit CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798390)		--	JBL
▪ Chief Officer: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, Cdr Edition, Jones & Bartlett Learning, ISBN: 9780763798406)		--	JBL
VENDORS			
JBL	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
ICMA	International City/County Management Association	<a href="http://www.icma.org">www.icma.org</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum">http://osfm.fire.ca.gov/training/SFTCurriculum</a>	

## EXECUTIVE CHIEF FIRE OFFICER 4E COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Executive Chief Fire Officer Certification Process
- Topic 1-3: Definition of Duty for Executive Chief Fire Officer

### Unit 2: Health and Safety

- Topic 2-1: Developing a Comprehensive Risk Management Program

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Management 1: Management/Supervision for Company Officers (2000)

**Hours:** 40

**Designed For:** Company Officers or fire fighters preparing for the position of Company Officer

**Description:** This course prepares or enhances the first line supervisor's ability to supervise subordinates. It introduces key management concepts and practices and includes discussions about decision making, time management, leadership styles, personnel evaluations, and counseling guidelines.

**Prerequisites:** None

**Certification:** Fire Officer

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Fire and Emergency Services Company Officer		Fourth	FPP
▪ Student Supplement		2000	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ Fire and Emergency Services Company Officer		Fourth	FPP
▪ Instructor Guide		2000	SFT
▪ PowerPoint Slides on CD-ROM (Optional)		2000	SFT
▪ Student Supplement		2000	SFT
VENDOR			
FPP	Fire Protection Publications (800-654-4055)		www.ifsta.org
SFT	State Fire Training		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## FIRE MANAGEMENT 1 COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Information for the transition from fire fighter to fire officer by presenting the skills and responsibilities required of first level supervisors.
- A summary of how internal and external influences affect the fire officer and how to effectively deal with these influences.
- An overview of supervision, management, and leadership concepts, practices, and theories.
- A summary of the advantages, disadvantages, and effects of various recognized styles of leadership and leadership profiles.
- A summary of common emotional and behavioral characteristics of an individual or working group as it applies to the responsibility of subordinates and supervisors.
- An overview of basic supervisory, managerial, and leadership skills required in decision making, delegating, personnel motivation, communicating, time management, resource management, record keeping, team building, disciplinary functions, and dealing with change and stress.
- Examples of the following techniques used by supervisors in managing personnel: conducting interviews, counseling, controlling work activities, goal setting, evaluating, promoting affirmative action, and managing the work place environment.
- A summary of the effects, interpretation, implementation, and development of policies and procedures and the necessity for accuracy, clarity, and impartiality.

<b>Course Content</b> .....	40:00
Unit 1 - Introduction	
Orientation and Administration.....	1:00
Introduction to Management and Supervision .....	1:30
Unit 2 - Supervision	
Principles of Organizations and Organizational Structure.....	1:00
Motivation.....	2:00
Delegation .....	1:00
Problem Solving/Decision Making .....	1:30
Verbal Communication.....	2:00
Written Communication.....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE MANAGEMENT 1 COURSE OUTLINE

Group Dynamics .....	2:00
Managing Conflict .....	1:00
Performance Evaluations .....	1:30
Coaching, Counseling, and Progressive Discipline.....	1:30
Due Process.....	1:00
Grievance Handling.....	1:00
Unit 3 – Management	
Internal and External Influences.....	2:00
Elements of Management .....	2:00
Managing Change.....	1:00
Time Management .....	1:30
Unit 4 – Leadership	
Basic Views of Leadership .....	1:00
Situational Leadership.....	1:00
Leadership Qualities and Traits .....	1:00
Unit 5 – Human Relations	
Managing the Workplace Environment .....	2:00
Affirmative Action, Equal Employment Opportunity, and ADA .....	1:30
Unit 6 – Safety and Wellness Programs	
Safety Management .....	1:30
Stress Management and Wellness .....	1:00
NFPA 1500 Standard.....	1:00
Unit 7 – Laws, Standards, and Liability	
Liability of the Company Officer .....	1:00
Quizzes.....	2:00
Course Review and Summative Exam .....	1:30



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Management 2A: Organizational Development and Human Relations (2009)

**Hours:** 40

**Designed For:** Chief Officers, Company Officers, Staff Officers, Training Officers and other Fire Service Managers

**Description:** This course provides information on the foundations of 1) individual behavior, personality and emotions, motivational concepts, individual decision making; 2) group behavior, work teams, group dynamics, group communication, conflict and negotiations, power and politics, leadership and creating trust; and 3) organizational structure, human resources policies and practices, organizational culture, and organizational change and development.

**Prerequisites:** Fire Management 1

**Certification:** Chief Officer

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
▪ Organizational Behavior, Stephen P. Robbins and Tim A. Judge		13 <sup>th</sup>	PH
▪ The Fire Chief's Handbook		Sixth	PW
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
▪ Instructor-developed Summative Test		Current	Instructor
▪ Myers-Briggs Forms or Kiersey Sort Forms		- - -	CPP
▪ Organizational Behavior, Stephen Robbins		12 <sup>th</sup>	PH
▪ The Fire Chief's Handbook		Sixth	PW
▪ The Fire Chief's Handbook Study Guide (Optional)		Sixth	PW
VENDOR			
CPP	Consulting Psychologist Press (800-624-1765)	<a href="http://www.cpp.com/company/contact.asp">www.cpp.com/company/contact.asp</a>	
JB	Jones and Bartlett Publishers (800-832-0034 x2)	<a href="http://www.jbpub.com">www.jbpub.com</a>	
PH	Pearson/Prentice Hall	<a href="http://vig.prenhall.com">vig.prenhall.com</a>	
PW	PennWell Books/Fire Engineering (800-752-9764)	<a href="http://www.pennwellbooks.com/fire.html">www.pennwellbooks.com/fire.html</a>	

## FIRE MANAGEMENT 2A COURSE OUTLINE

**Course Objectives:** To provide the student with...

- Techniques to make the transition from supervisor to manager.
- Information regarding the impact of internal and external influences on the organization and the impact of culture.
- Information on personality traits inherent in individuals and their effect on the organization.
- Information on group dynamics and its impact on the organization.
- Information conflict resolution and negotiations.
- Methods and styles of leadership and techniques for creating trust within the organization.
- Information on the nature of power and politics within the organization.

**Course Content** .....40:00

Unit 1: Introduction

What Is Organizational Behavior?

Unit 2: the Individual

Foundations of Individual Behavior

Values, Attitudes, and Job Satisfaction

Personality and Emotion

Perception and Individual Decision Making

Basic Motivation Concepts

Motivation: From Concepts to Applications

Unit 3: the Group

Foundations of Group

Behavior Understanding Work

Teams Communication

Basic Approaches to Leadership

Contemporary Issues in

Leadership



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE MANAGEMENT 2A COURSE OUTLINE

Power and Politics

Conflict and

Negotiation

Unit 4: the Organization

System

Foundations of Organization Structure.

Organizational Culture.

Human Resource Policies and Practices.

Unit 5: Organizational Dynamics

Organizational Change and Stress Management.

Unit 6: Contemporary Issues Regarding Organizational Development and Human Relations

Instructor-developed Summative Test

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Management 2B: Fire Service Financial Management (2009)

**Hours:** 40

**Designed For:** Chief Officers, Company Officers, Staff Officers, and other Fire Service Managers

**Description:** This course is designed to provide insight into the cyclical nature of budgeting and financial management. As a management course, the student will become familiar with essential elements of the financial planning, budget preparation, budget justification, and budget controls.

**Prerequisites:** Fire Management 1

**Certification:** Chief Officer

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
▪ Management Policies in Local Government Finance		Fifth	ICMA
▪ Managing Fire and Rescue Services (Optional)		2002	ICMA
▪ The Fire Chief's Handbook		Sixth	PW
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Fire Officer's Desk Reference (Optional)		2006	J
▪ Instructor-developed Summative Test		Current	Instructor
▪ Management Policies in Local Government Finance		Fifth	ICMA
▪ Managing Fire and Rescue Services (Optional)		2002	ICMA
▪ The Fire Chief's Handbook		Sixth	PW
▪ The Fire Chief's Handbook Study Guide (Optional)		Sixth	PW
VENDOR			
ICMA	International City/County Management Association (202-289-4262)	<a href="http://www.icma.org/press/">www.icma.org/press/</a>	
JB	Jones and Bartlett Publishers (800-832-0034 x2)	<a href="http://www.jbpub.com">www.jbpub.com</a>	
PW	PennWell Books/Fire Engineering (800-752-9764)	<a href="http://www.pennwellbooks.com/fire.html">www.pennwellbooks.com/fire.html</a>	

## FIRE MANAGEMENT 2B COURSE OUTLINE

Course Objectives: To provide the student with...

- Techniques to make the transition from supervisor to manager.
- Information on developing new revenue sources.
- Information on designing a budget process that includes performance reporting.
- Information on conducting strategic economic development.
- Information on debt management and bond sales.
- Techniques for using modern information systems to improve financial decisions.
- Methods for meeting the day-to-day challenges of financial management, from procurement to labor negotiations.

Course Content.....40:00

Unit 1: the Local Government Setting

- The Finance Function in Local Government
- Fiscal Structure in the Federal System
- Public School Finance
- Local Government Expenditures and Revenues

Unit 2: Management Tools

- Forecasting Local Revenues and Expenditures
- Cost-benefit Analysis and the Capital Budget
- Budgeting
- Financial Accounting, Reporting, and Auditing
- Enterprise Resource Planning Systems

Unit 3: Revenue Sources

- The Property Tax
- General Sales, Income, and Other Non-property Taxes
- User Charges and Special Districts

Unit 4: Financial Management

- Economic Development



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE MANAGEMENT 2B COURSE OUTLINE

Debt  
Management  
Procurement  
Cash and Investment  
Management Risk Management  
Public Employee Pension  
Funds Unions and Collective  
Bargaining

Unit 5: Contemporary Issues Relating to Fire Service Financial Management Instructor-developed Summative Test

For Review Only





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Management 2C: Personnel and Labor Relations (2009)

**Hours:** 40

**Designed For:** Chief Officers, Company Officers, Staff Officers, and other Fire Service Managers

**Description:** This course is designed to provide a fire manager with knowledge and insight of personnel, human resource, diversity management, legal mandates, labor relations, and related areas. Topics include areas of organizational development, productivity, recruitment and selection, performance systems, discipline, and collective bargaining. Methodology will include, but not be limited to, presentations, case studies, group exercises, focused discussions, and written assignments.

**Prerequisites:** Fire Management 1

**Certification:** Chief Officer

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
▪ Managing Human Resources: Productivity, Quality of Work Life, Profits		Seventh	MH
▪ The Fire Chief's Handbook		Sixth	PW
REQUIRED INSTRUCTOR MATERIALS			
▪ Applications in Human Resource Management (Optional)		2007	SWC
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
▪ Instructor-developed Summative Test		Current	Instructor
▪ Managing Human Resources: Productivity, Quality of Work Life, Profits		Seventh	MH
▪ The Fire Chief's Handbook		Sixth	PW
▪ The Fire Chief's Handbook Study Guide (Optional)		Sixth	PW
VENDOR			
JB	Jones and Bartlett Publishers (800-832-0034 x2)	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
MH	McGraw Hill Higher Education	<a href="http://catalogs.mhhe.com/mhhe/home.do">catalogs.mhhe.com/mhhe/home.do</a>	
PW	PennWell Books/Fire Engineering (800-752-9764)	<a href="http://www.pennwellbooks.com/">http://www.pennwellbooks.com/</a>	
SWC	South Western College Pub		

## FIRE MANAGEMENT 2C COURSE CONTENT

**Course Objectives:** To provide the student with...

- Techniques to make the transition from supervisor to manager.
- Information on the significant, competitive, legal and social issues that affect productivity, quality of life, and organizational success.
- Information on major legislation that impacts personnel, such as the Civil Rights Act, Equal Pay Act, Occupational Safety and Health Act.
- Information on employment tools needed to manage human resources effectively, including job analysis and design, human resource planning, and employee development.
- Information on current compensation and motivation practices used by organizations to improve employee performance and productivity.

**Course Content** ..... 40:00

Unit 1: Environment

Human Resources in a Globally Competitive Business Environment  
The Financial Impact of Human Resource Management Activities  
The Legal Context of Employment Decisions  
Diversity at Work

Unit 2: Employment

Analyzing Work and Planning for People  
Recruiting  
Staffing

Unit 3: Development

Workplace Training  
Performance Management



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE MANAGEMENT 2C COURSE CONTENT

Managing Careers

Unit 4: Compensation

Pay and Incentive Systems

Indirect Compensation: Employee Benefit Plans

Unit 5: Labor-management Accommodation

Union Representation and Collective Bargaining

Procedural Justice and Ethics in Employee Relations

Unit 6: Support and International Implications

Safety, Health, and Employee Assistance Programs

International Dimensions of Human Resource Management

Unit 7: Contemporary Issues Relating to Personnel and Labor Relations Instructor-developed

Summative Test

For Review Only



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Management 2D: Strategic Planning (2009)

**Hours:** 40

**Designed For:** Chief Officers, Company Officers, Fire Service Managers, and City Managers/County Administrative Officers and Planners

**Description:** Designed to educate Chief Officers on the strategic planning process and why each of the steps is critical for success. Although the process may be thought of as extremely complicated, this course will provide advice and tools to assist in the strategic planning process. This course is intended to be consistent with critical elements of the accreditation process and its associated self-assessment manual.

**Prerequisites:** Fire Management 1

**Certification:** Chief Officer

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
▪ Fire Department Strategic Planning: Creating Future Excellence		Second	PW
▪ The Fire Chief's Handbook		Sixth	PW
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
▪ Fire Department Strategic Planning: Creating Future Excellence		Second	PW
▪ Instructor-developed Summative Test		Current	Instructor
▪ The Fire Chief's Handbook		Sixth	PW
▪ The Fire Chief's Handbook Study Guide (Optional)		Sixth	PW
VENDOR			
JB	Jones and Bartlett Publishers (800-832-0034 x2)	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
PW	PennWell Books/Fire Engineering (800-752-9764)	<a href="http://www.pennwellbooks.com/">http://www.pennwellbooks.com/</a>	

## FIRE MANAGEMENT 2D COURSE OUTLINE

Course Objectives: To provide the student with...

- Techniques to make the transition from supervisor to manager.
- Concepts that form the foundation of strategic planning.
- Information on escaping from the typical operational thinking, to begin strategic thinking, and ultimately to manage organizations strategically
- The strategic planning process and why each step is critical if the plan is to succeed.
- Methods to simplify the strategic planning process.

Course Content.....40:00

### Unit 1: Strategic Planning

Introduction/Overview of Strategic Planning Revisiting Your Existing Strategic Plan  
Speed Planning for the Time Challenged Proactive Futurist  
Strategic Planning and the Commission on Fire Accreditation International  
Planning To Plan Strategically  
Understanding and Applying the Values of the Department  
The Value of Vision to Organizational Change  
Identifying the Department's Mandates  
Developing the Mission of the Department  
Understanding and Defining the Philosophy of Operations  
Assessing the Challenges and Opportunities of the External Environment  
Assessing the Weaknesses and Strengths of the Internal Environment  
Identifying the Strategic Issues of the Department  
Creating Strategies for Strategic Issues  
Creating the Department's Ideal Future Through Proactive Futuring  
Operational Planning from a Strategic Perspective  
Strategic Management and Master Planning  
Cyclic Planning

### Unit 2: Contemporary Issues Relating to Strategic

Planning Instructor-developed Summative Test



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

Fire Management 2E: Ethics and the Challenge of Leadership (2009)

**Hours:** 40

**Designed For:** Chief Officers, Company Officers, Staff Officers, and other Fire Service Managers

**Description:** In this course, the participant will correlate personal core values and characteristics to ethical decisions and behaviors. In addition, the participant will explore ethical and principle-centered leadership, including ethical systems, ethical dilemmas, and ethical decision-making models. The participant will also examine challenges and develop strategies for leading in public safety organizations serving diverse and dynamic communities. The participant will use a variety of learning modalities including case studies, video analyses, and critical thinking scenarios to explore ethics and the challenges of leadership.

**Prerequisites:** None

**Certification:** Chief Officer

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
Leadership Development Studies		Fourth	PTK
Making Ethical Decisions		2002	JIE
▪ The Fire Chief's Handbook		Sixth	PW
▪ The Leader of the Future 2: Visions, Strategies, and Practices for the New Era		2006	J-B
REQUIRED INSTRUCTOR MATERIALS			
▪ Chief Fire Officer's Desk Reference (Optional)		2006	JB
▪ Instructor-developed Summative Test		Current	Instructor
Leadership Development Studies		Fourth	PTK
Making Ethical Decisions		2002	JIE
▪ The Fire Chief's Handbook		Sixth	PW
▪ The Fire Chief's Handbook Study Guide (Optional)		Sixth	PW
▪ The Leader of the Future 2: Visions, Strategies, and Practices for the New Era		2006	J-B
VENDOR			
JB	Jones and Bartlett Publishers (800-832-0034 x2)	<a href="http://www.jbpub.com">www.jbpub.com</a>	
J-B	Jossey-Bass	<a href="http://www.josseybass.com">www.josseybass.com</a>	
JIE	Josephson Institute of Ethics	<a href="http://www.josephsoninstitute.org">www.josephsoninstitute.org</a>	
PTK	Phi Theta Kappa	<a href="http://leadership.ptk.org/">http://leadership.ptk.org/</a>	
PW	PennWell Books/Fire Engineering (800-752-9764)	<a href="http://www.pennwellbooks.com/fire.html">www.pennwellbooks.com/fire.html</a>	

## FIRE MANAGEMENT 2E COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on correlating personal core values and characteristics to ethical decisions and behaviors.
- Ethical dilemmas and appropriate models for making effective ethical decisions.
- Information to define and discuss principle-centered leadership.
- Information to recognize the risks and rewards of ethical and principle-centered decision-making.
- Information to justify the importance of service as a foundational aspect of leadership.
- Information to recognize the challenges of leading in a dynamic and diverse community.
- Strategies for leading in a challenging environment.
- Information on how leaders contribute to the establishment of a high trust organizational culture.
- A personal leadership development plan.
- A method to evaluate leadership responsibility as it relates to ethics, values, and challenges within the public safety environment.

Course Content.....40:00

Unit 1: Course Introduction/Reflection

Overview of Course, Description and Course Objectives

Introductions (Facilitated Activity)

Course Components

Reflections on Previous Course Work and Journal Work



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE MANAGEMENT 2E COURSE OUTLINE

### Unit 2: Ethics

- What are Ethics, Morality, Leadership and More?
- Personal Values/Ethical Behavior
- Why Be Ethical and the Advantages/Disadvantages?
- Why Study Ethics?
- Video Case Study: *Cider House Rules*

### Unit 3: Ethical Systems

- Thinking Ethically: A Framework for Moral Decision Making
- Ethics Awareness Inventory
- Video Case Study: *Miss Ever's Boys* – Part One

### Unit 4: Ethics and Decision Making

- Evolution of Ethical Decision-making: Kohlberg's Stages of Morality
- Ethical Choices: Kohlberg - Case Studies
- A Model for Making Moral Decisions – Scott Rae
- Video Case Study: *Miss Ever's Boys* – Part Two
- Ethical Models
- Public Safety Scenarios
- Video Case Study: *Miss Ever's Boys* – Part

### Unit 5: Ethics and Principled Leadership

- Defining Leadership
- Leadership Principles: Colin Powell's Rules
- Principle Centered Leadership
- Video Clip: *FBI Academy: the Public Trust*
- Code of Ethics
- Video Case Study: *Crimson Tide*

### Unit 6: Servant Leadership

- Understanding Servant Leadership
- Video Presentation: *Gandhi* or
- Radio Role Models and Servant Leadership*

### Unit 7: the Challenges of Leadership

- Whom to Choose
- Video Presentation: *Billy Budd*
- The Ethical Test
- Developing Strategies for Leading in the Future

### Unit 8: Course Conclusion

- Personal Leadership Assessment Peer Review
- Leadership Shadow Presentations
- Community Leadership Involvement Presentations
- Leadership Program Self Assessment
- Leadership Development Plan Submission
- Instructor-developed Summative Test



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## Fire Service Supervision: Increasing Personal Effectiveness

**Hours:** 16

**Designed For:** Company Officers or other individuals responsible for supervising personnel or managing programs and projects

**Description:** This NFA hand-off course reviews basic skills and techniques that will assist the individual to improve personal effectiveness. Topics include managerial style and personal performance, time management, and personal professional development planning.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			NTI
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide			NTI
VENDOR			
NTIS	National Technical Information Service (800-553-6847)		www.ntis.gov

## FIRE SERVICE SUPERVISION: INCREASING PERSONAL EFFECTIVENESS COURSE OUTLINE

- None



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## Fire Service Supervision: Increasing Team Effectiveness

**Hours:** 16

**Designed For:** Company Officers or other individuals responsible for supervising personnel

**Description:** This NFA hand-off course is designed to meet the needs of fire service supervisors and program managers by focusing on improving the manager's skills in relating with others. Topics include motivating others, interpersonal communications, counseling, group dynamics, and conflict resolution.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			NTI
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide			NTI
VENDOR			
NTIS	National Technical Information Service (800-553-6847)		www.ntis.gov

## FIRE SERVICE SUPERVISION: INCREASING TEAM EFFECTIVENESS COURSE OUTLINE

- None



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## Volunteer Fire Service Management

**Hours:** 16

**Designed For:** Company Officers or other individuals responsible for supervising personnel or managing programs and projects

**Description:** This NFA hand-off course provides participants with an overview and introduction to managing within a volunteer service environment. Discussion includes topics of management principles and techniques, planning, organizing, controlling, problem solving, motivating, and much more.

**Prerequisites:** None

**Certification:** None

**Max Class Size:** 40

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			NTI
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide			NTI
VENDOR			
NTIS	National Technical Information Service (800-553-6847)		www.ntis.gov

VOLUNTEER FIRE SERVICE MANAGEMENT COURSE OUTLINE	
▪ None	





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## MECHANIC COURSES

Fire Mechanic 1: Fire Pumps and Accessories (2004)

**Hours:** 36

**Designed For:** Entry-level fire apparatus mechanics

**Description:** This course provides the fire apparatus mechanic with the skills necessary to maintain, overhaul, test, and troubleshoot fire pumps and accessories.

**Prerequisites:** None

**Certification:** Fire Mechanic I

**Max Class Size:** 40

**Restrictions:** This course is scheduled and taught by Fire Mechanic Academy staff only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			CFMA
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide			CFMA
VENDOR			
CFMA	California Fire Mechanics Association (916-727-7019)		<a href="http://www.cafiremech.com">www.cafiremech.com</a>

## FIRE MECHANIC 1 COURSE OUTLINE

Course Objectives: To provide the student with...

- The principles and theories associated with the maintenance and operational pump testing required for fire apparatus and equipment.
- An opportunity to troubleshoot.
- An opportunity to receive specialized and on-the-job training.

Course Content .....	36:00
Pump Identification.....	8:00
Theory.....	8:00
Demonstration and Lab.....	12:00
Troubleshooting .....	6:00
Testing .....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Mechanic 2A: Fire Apparatus Electrical Systems (2004)

**Hours:** 36

**Designed For:** Advanced-level fire apparatus mechanics

**Description:** This course includes topics on the theory, operation, and maintenance of electrical systems currently being used in fire apparatus.

**Prerequisites:** Fire Mechanic 1

**Certification:** Fire Mechanic II

**Max Class Size:** 40

**Restrictions:** This course is scheduled and taught by Fire Mechanic Academy staff only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			CFMA
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide			CFMA
VENDOR			
CFMA	California Fire Mechanics Association (916-727-7019)		www.cafiremech.com

## FIRE MECHANIC 2A COURSE OUTLINE

Course Objectives: To provide the student with...

- Theory, operation, and maintenance information on electrical systems currently being used in ambulance and fire apparatus.
- The principles and theories associated with maintenance required for ambulance and fire apparatus and equipment.
- An opportunity to receive specialized and on-the-job training.

Course Content .....	36:00
Theory of Electron Flow, Principles of Current, Voltage, Resistance, Ohm's Law; Series, Parallel, Series/Parallel Circuits, Principles of Diodes and Transistors .....	12:00
Design and Construction, Ratings, Charging, Evaluation/Selection and Testing of Batteries .....	4:00
Design and Construction, Voltmeter, Ammeter, Ohmmeter, Application, Reading and Ratings of Meters.....	4:00
Design and Operation, Heavy Duty Ratings, Pulley and Belt Loop, Load Requirements And Diagnosis of Alternators .....	4:00
Design and Operation, Switches and Solenoids, Mounting, Heavy Duty Applications, And Diagnosis of Cranking Motors .....	4:00
Load Analysis, CCA Wiring, Fusing, Looming, Installation, and Repair Techniques Of Electrical Systems.....	4:00
Failure Analysis, Diagnostic Approaches, Computer Learn and Resets, Computer Wake-Up Memory and Instrumentation of Component Systems .....	2:00
Testing .....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Mechanic 2B: Allison Transmissions (2004)

**Hours:** 36

**Designed For:** Advanced-level fire apparatus mechanics

**Description:** This course covers introduction, general construction, and application of Allison Transmission. Hands-on activities include complete tear down, subassembly tear down, hydraulics, power flows, and complete transmission rebuild. Troubleshooting and maintenance is covered also.

**Prerequisites:** Fire Mechanic 1

**Certification:** Fire Mechanic II

**Max Class Size:** 40

**Restrictions:** This course is scheduled and taught by Fire Mechanic Academy staff only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			CFMA
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide			CFMA
VENDOR			
CFMA	California Fire Mechanics Association (916-727-7019)		<a href="http://www.cafiremech.com">www.cafiremech.com</a>

## FIRE MECHANIC 2B COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on the application and general construction of the Allison transmission.
- Hands-on training in complete transmission teardown and rebuild, subassembly tear down, hydraulics, power flows, troubleshooting, parts, and maintenance procedures.
- The principles and theories associated with maintenance required for fire apparatus and equipment.
- An opportunity to receive specialized and on-the-job training...

Course Content .....	36:00
Introduction and Application .....	2:00
General Construction .....	2:00
Transmission Teardown .....	2:00
Torque Converter .....	4:00
Subassembly Teardown .....	4:00
Subassembly Transmission .....	4:00
Power Flows .....	4:00
Valve Body Teardown and Rebuild .....	4:00
Hydraulics .....	6:00
Complete Transmission Rebuild .....	2:00
Maintenance, Troubleshooting, Parts, and Review .....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Mechanic 3A: Ambulance Service and Maintenance (2004)

**Hours:** 36

**Designed For:** Advanced-level mechanics

**Description:** This course covers service and maintenance techniques used to maintain engines, drive train, steering suspension, brakes, chassis, oxygen system, suction system, and the air conditioning and heating systems of an ambulance.

**Prerequisites:** Fire Mechanic 1

**Certification:** Fire Mechanic III

**Max Class Size:** 40

**Restrictions:** This course is scheduled and taught by Fire Mechanic Academy staff only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			CFMA
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide			CFMA
VENDOR			
CFMA	California Fire Mechanics Association (916-727-7019)		<a href="http://www.cafiremech.com">www.cafiremech.com</a>

## FIRE MECHANIC 3A COURSE OUTLINE

Course Objectives: To provide the student with...

- Information on the service and maintenance requirements for ambulances.
- The principles and theories of maintenance requirements for ambulances.
- An opportunity for on-the-job specialized and maintenance training.

Course Content .....	36:00
Engine/Drive Train .....	8:00
Steering/Suspension .....	4:00
Chassis .....	4:00
Brakes/Secondary Braking.....	8:00
Heating/Air Conditioning .....	3:00
Oxygen .....	2:00
Suction .....	1:00
Ventilation .....	2:00
Decontamination/Biohazards.....	2:00
Testing .....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

Fire Mechanic 3B: Aerial Apparatus (2004)

**Hours:** 36

**Designed For:** Advanced-level fire apparatus mechanics

**Description:** This course covers physical principles of construction, testing, and preventative maintenance of aerial devices commonly found in the fire service.

**Prerequisites:** Fire Mechanic 1

**Certification:** Fire Mechanic III

**Max Class Size:** 40

**Restrictions:** This course is scheduled and taught by Fire Mechanic Academy staff only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual			CFMA
REQUIRED INSTRUCTOR MATERIALS		EDITION	VENDORS
▪ Instructor Guide			CFMA
VENDOR			
CFMA	California Fire Mechanics Association (916-727-7019)		<a href="http://www.cafiremech.com">www.cafiremech.com</a>

## FIRE MECHANIC 3B COURSE OUTLINE

Course Objectives: To provide the student with...

- The physical principles of construction, testing, and preventative maintenance of aerial devices commonly found in the fire service.
- The principles and theories associated with maintenance testing required for fire apparatus and equipment.
- An opportunity for on-the-job specialized and maintenance training.

Course Content .....	36:00
Interlock Systems .....	4:00
Nondestructive/Annual Testing .....	8:00
Hydraulic Theory .....	8:00
Design and Maintenance .....	8:00
Chassis Inspection .....	6:00
Testing .....	2:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## PREVENTION COURSES

CFSTES

**Course:** Company Officer 2C: Fire Inspections and Investigations (2014)

**Hours:** 40 (see course plan for breakdown)

**Designed For:** Aspiring company officers

**Description:** This course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence.

**Prerequisites:** Meet the educational requirements for Fire Fighter II

**Certification:** Fire Officer (Level I and II)

**Standard:** Complete all activities and formative tests. Complete all summative tests with a minimum score of 80%.

**Max. Class Size:** 32

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ The required textbook chosen by the instructor		--	--
▪ California Fire Inspector's Guide		Current	CFCA
REQUIRED INSTRUCTOR MATERIALS			
▪ Fire and Emergency Services Company Officer (ISBN: 0879392819)		4 <sup>TH</sup>	IFSTA
OR Fire Officer: Principles and Practice (ISBN: 9781449600621)		2 <sup>ND</sup>	JB
▪ California Fire Inspector's Guide		CURRENT	CFCA
▪ Online Instructor Resources		2013	SFT
▪ OPTIONAL – Fire Investigator: Principles and Practice to NFPA 921 and 1033 (ISBN: 9780763758516)		3 <sup>RD</sup>	JB
▪ OPTIONAL – Fire Inspector: Principles and Practice (ISBN: 9780763749392)		2012	JB
▪ OPTIONAL – Introduction to Fire Origin and Cause (ISBN: 0879392525)		3 <sup>RD</sup>	IFSTA
▪ OPTIONAL - Fire Inspection and Code Enforcement (ISBN: 9780879393489		7 <sup>TH</sup>	FPP
VENDORS			
CFCA	California Fire Chiefs Association		
IFSTA	International Fire Service Training Association		<a href="https://shop.ifsta.org/">https://shop.ifsta.org/</a>
JB	Jones and Bartlett		<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>
FPP	Fire Protection Publications		
SFT	Online Instructor Resources		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>
COMPANY OFFICER 2C COURSE CONTENT			

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Officer Certification Process
- Topic 1-3: Definition of Duty

### Unit 2: Fire and Life Safety Inspections

- Topic 2-1: Describing Fire Inspection Procedures
- Topic 2-2: Identifying Features that Prevent or Contribute to Fire Spread

### Unit 3: Fire Investigation

- Topic 3-1: Securing Incident Scenes
- Topic 3-2: Determining the Origin and Cause



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Inspector 1A: Duties and Administration (2010)

**Hours:** 24

**Designed For:** Entry level Inspector

**Description:** This course provides students with a basic knowledge of the roles and responsibilities of a Fire Inspector I including legal responsibilities and authority, codes and standards, the inspection process, confidentiality and privacy requirements, and ethical conduct, and administrative tasks including preparing inspection reports, recognizing the need for a permit or plan review, investigating common complaints, and participating in legal proceedings.

**Prerequisites:** None

**Certification:** Fire Inspector

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 978-1-60983-460-9)		2013	Various
▪ Fire Inspection and Code Enforcement (IFSTA, 7th edition, ISBN: 9780879393489) <b>Or</b> Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1st ed., ISBN: 9780763749392)		----	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Code (International Code Council, 2013 edition, ISBN: 9781609834579)		2013	Various
▪ California Code of Regulations (CCR) Title 19		CURRENT	O.A.L.
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
▪ Ethical Practices Inventory		CURRENT	Williams Inst.
▪ Online Instructor Resources		2013	SFT
VENDORS			
O.A.L.	Office of Administrative Law	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
Williams Inst.	The Williams Institute	<a href="http://www.ethics-twi.org">www.ethics-twi.org</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
FIRE INSPECTOR IA COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Marshal Certification Process

## Unit 2: Roles and Responsibilities

- Topic 2-1: Definition of Duties
- Topic 2-2: Identifying Legal Responsibilities and Authority
- Topic 2-3: Identifying Codes and Standards



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE INSPECTOR IA COURSE CONTENT (cont'd)

- Topic 2-4: The Inspection Process
- Topic 2-5: Confidentiality and Privacy Requirements
- Topic 2-6: Ethical Conduct

### Unit 3: Administration

- Topic 3-1: Preparing Inspection Reports
- Topic 3-2: Recognizing the Need for a Permit
- Topic 3-3: Recognizing the Need for Plan Review
- Topic 3-4: Investigating Common Complaints
- Topic 3-5: Participating in Legal Proceedings

For Review Only





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Inspector 1B: Fire and Life Safety (2010)

**Hours:** 24

**Designed For:** Entry level Inspector

**Description:** This course provides students with a basic knowledge of fire and life safety aspects related to the roles and responsibilities of a Fire Inspector I including building construction, occupancy classifications, occupancy load, means of egress, hazardous conditions, fire growth potential, fire flow, and emergency planning and preparedness measures.

**Prerequisites:** Fire Inspector 1A: Duties and Administration

**Certification:** Fire Inspector

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 978-1-60983-460-9)		2013	Various
▪ Fire Inspection and Code Enforcement (IFSTA, 7th edition, ISBN: 9780879393489) <b>Or</b> Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1st ed., ISBN: 9780763749392)		----	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Code (International Code Council, 2013 edition, ISBN: 9781609834579)		2013	Various
▪ California Code of Regulations (CCR) Title 19		CURRENT	O.A.L.
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
▪ Ethical Practices Inventory		CURRENT	Williams Inst.
▪ Online Instructor Resources		2013	SFT
VENDORS			
O.A.L.	Office of Administrative Law	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
Williams Inst.	The Williams Institute	<a href="http://www.ethics-twi.org">www.ethics-twi.org</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
FIRE INSPECTOR 1B COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Marshal Certification Process

## Unit 2: Building Construction

- Topic 2-1: Verifying Construction Type for an Addition or Remodel

## Unit 3: Occupancy Classifications

- Topic 3-1: Identifying Occupancy Classifications for a Single-use Occupancy



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE INSPECTOR IB COURSE CONTENT (cont'd)

### Unit 4: Occupancy Load

- Topic 4-1: Computing the Allowable Occupant Load of a Single-use Occupancy

### Unit 5: Means of Egress

- Topic 5-1: Inspecting Means of Egress Elements

### Unit 6: Hazardous Conditions and Fire Growth Potential

- Topic 6-1: Recognizing Hazardous Conditions
- Topic 6-2: Recognizing Hazardous Fire Growth Potential in a Building or Space



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Inspector 1C: Field Inspection (2010)

**Hours:** 24

**Designed For:** Entry level Inspector

**Description:** This course provides students with a basic knowledge of field inspection roles and responsibilities of a Fire Inspector I including basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire suppression systems, existing fire detection and alarm systems, and portable fire extinguishers.

**Prerequisites:** Fire Inspector 1B: Fire and Life Safety

**Certification:** Fire Inspector

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 978-1-60983-460-9)		2013	Various
▪ Fire Inspection and Code Enforcement (IFSTA, 7th edition, ISBN: 9780879393489) <b>Or</b> Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1st ed., ISBN: 9780763749392)		----	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Code (International Code Council, 2013 edition, ISBN: 9781609834579)		2013	Various
▪ California Code of Regulations (CCR) Title 19		CURRENT	O.A.L.
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
▪ Ethical Practices Inventory		CURRENT	Williams Inst.
▪ Online Instructor Resources		2013	SFT
VENDORS			
O.A.L.	Office of Administrative Law	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
Williams Inst.	The Williams Institute	<a href="http://www.ethics-twi.org">www.ethics-twi.org</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
FIRE INSPECTOR IC COURSE CONTENT			

## Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Marshal Certification Process

## Unit 2: Basic Plan Review

- Topic 2-1: Comparing Approved Plans and Existing Fire Protection Systems

## Unit 3: Emergency Access for an Existing System

- Topic 3-1: Inspecting Emergency Access for an Existing System

## FIRE INSPECTOR IC COURSE CONTENT (cont'd)



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## Unit 4: Operational Readiness of Fixed Fire Suppression Systems

- Topic 4-1: Determining the Operational Readiness of Fixed Fire Suppression Systems

## Unit 5: Operational Readiness of Existing Fire Detection and Alarm Systems

- Topic 5-1: Determining the Operational Readiness of Existing Fire Detection and Alarm Systems

## Unit 6: Operational Readiness of Portable Fire Extinguishers

- Topic 6-1: Determining the Operational Readiness of Portable Fire Extinguishers

## Unit 7: Hazardous Materials

- Topic 7-1: Classification and Properties
- Topic 7-2: Verifying Code Compliance for Incidental Storage, Handling, and Use of Flammable and Combustible Liquids and Gases
- Topic 7-3: Verifying Code Compliance for Incidental Storage, Handling, and Use of Hazardous Materials



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Inspector 1D: Field Inspection – California Specific (2010)

**Hours:** 16

**Designed For:** Entry level Inspector

**Description:** This course provides students with a basic knowledge of a Fire Fighter I's field inspection roles and responsibilities specific to California including tents, canopies, and temporary membrane structures; fireworks and explosives; and wildland urban interface environments.

**Prerequisites:** Fire Inspector 1C: Field Inspection

**Certification:** Fire Inspector

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Building Code (International Code Council, 2013 edition, ISBN: 9781609834579)		2013	Various
▪ California Code of Regulations (CCR) Title 14 and Title 19		CURRENT	O.A.L.
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
▪ California Public Resources Code 4290 and 4291 and Government Codes 51175 through 51189		--	CA Leg.
▪ NFPA 1123: Code for Fireworks Display (National Fire Protection Association, 2010 edition, ISBN: 1110000037363)		NFPA 1123	Various
▪ NFPA 1126: Standard for the Use of Pyrotechnics Before a Proximate Audience (National Fire Protection Association, 2011 edition, ISBN: 9780685649626)		NFPA 1126	Various
▪ Laws and Regulations for Transportation, Use, and Storage of Fireworks in California		2011	OSFM
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Code (International Code Council, 2013 edition, ISBN: 9781609834579)		2013	Various
▪ California Code of Regulations (CCR) Title 14 and Title 19		CURRENT	O.A.L.
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
▪ California Public Resources Code 4290 and 4291 and Government Codes 51175 through 51189		--	CA Leg.
▪ NFPA 1123: Code for Fireworks Display (National Fire Protection Association, 2010 edition, ISBN: 1110000037363)		NFPA 1123	Various
▪ NFPA 1126: Standard for the Use of Pyrotechnics Before a Proximate Audience (National Fire Protection Association, 2011 edition, ISBN: 9780685649626)		NFPA 1126	Various
▪ Laws and Regulations for Transportation, Use, and Storage of Fireworks in California		2011	OSFM
▪ Online Instructor Resources – Wildland Hazard & Building Codes		--	CAL FIRE
▪ Online Instructor Resources - Activities		CURRENT	SFT

## VENDORS

O.A.L. | Office of Administrative Law

[www.oal.ca.gov/publications.htm](http://www.oal.ca.gov/publications.htm)



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CA Leg.	State of California	<a href="http://leginfo.legislature.ca.gov/faces/codes.xhtml">http://leginfo.legislature.ca.gov/faces/codes.xhtml</a>
OSFM	Office of State Fire Marshal	<a href="http://osfm.fire.ca.gov/strucfireengineer/pdf/fireworks/FireworksHandbook2011.pdf">http://osfm.fire.ca.gov/strucfireengineer/pdf/fireworks/FireworksHandbook2011.pdf</a>
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>
CAL FIRE	Wildland Hazard & Building Codes	<a href="http://calfire.ca.gov/fire_prevention/fire_prevention_wildland_codes.php">http://calfire.ca.gov/fire_prevention/fire_prevention_wildland_codes.php</a>

## FIRE INSPECTOR ID COURSE CONTENT

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Marshal Certification Process

### Unit 2: Tents, Canopies, and Temporary Membrane Structures

- Topic 2-1: Inspecting Tents, Canopies, and Temporary Membrane Structures

### Unit 3: Fireworks and Explosives

- Topic 3-1: Inspecting Safe and Sane Fireworks Retail Stands
- Topic 3-2: Inspecting Public Fireworks Displays
- Topic 3-3: Inspecting Proximate Fireworks Displays

### Unit 4: Wildland Urban Interface

- Topic 4-1: Inspecting Exterior Hazard Abatement on an Existing Property



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Inspector 2A: Fire Prevention Administration (2010)

**Hours:** 16

**Designed For:** The certified Fire Inspector I advancing to the Fire Inspector II classification

**Description:** This course provides students with a basic knowledge of the administrative requirements related to the roles and responsibilities of a Fire Inspector II including processing permit and plan review applications, enforcing permit regulations, investigating complex complaints, recommending modifications to codes and standards, recommending policies and procedures for inspection services, generating written appeals correspondence, initiating legal action, evaluating inspection reports, and proposing technical reference material acquisition.

**Prerequisites:** Fire Inspector 1A, 1B, 1C, and 1D **OR** Fire Prevention 1A, 1B, and 1C

**Certification:** Fire Inspector II

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
<ul style="list-style-type: none"> <li>California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)</li> </ul>		CURRENT	Various
<ul style="list-style-type: none"> <li>Fire Inspection and Code Enforcement (IFSTA, 7th edition, ISBN: 9780879393489)</li> </ul>		7 <sup>TH</sup> EDITION	Various
<ul style="list-style-type: none"> <li><b>OR</b> Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1<sup>ST</sup> edition, ISBN: 9780763749392)</li> </ul>		1 <sup>ST</sup> EDITION	Various
REQUIRED INSTRUCTOR MATERIALS			
<ul style="list-style-type: none"> <li>California Building Code (International Code Council, 2013 edition, ISBN: 9781609834579)</li> </ul>		2013	Various
<ul style="list-style-type: none"> <li>California Code of Regulations (CCR) Title 19</li> </ul>		CURRENT	O.A.L.
<ul style="list-style-type: none"> <li>California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)</li> </ul>		CURRENT	Various
Reference Manual Options			
<ul style="list-style-type: none"> <li>Fire Inspection and Code Enforcement Instructor Resource Kit (IFSTA, 7<sup>th</sup> edition, ISBN: 9780879393557)</li> </ul>		7 <sup>TH</sup> EDITION	Various
<b>Or a combination of the following:</b>			
<ul style="list-style-type: none"> <li>Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1<sup>st</sup> edition, Jones &amp; Bartlett Learning, ISBN: 9780763749392)</li> </ul>		1 <sup>ST</sup> EDITION	J&B
<ul style="list-style-type: none"> <li>Fire Inspector: Principles and Practice Instructor's ToolKit CD-ROM (International Association of Fire Chiefs, Cdr edition, Jones &amp; Bartlett Learning, ISBN: 9780763798598)</li> </ul>		CDR	J&B
<ul style="list-style-type: none"> <li>Fire Inspector: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, Cdr edition, Jones &amp; Bartlett Learning, ISBN: 9780763798581)</li> </ul>		CDR	J&B
<ul style="list-style-type: none"> <li>Online Instructor Resources - Activities</li> </ul>		CURRENT	SFT
VENDORS			
O.A.L.	Office of Administrative Law	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
J&B	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE INSPECTOR 2A COURSE CONTENT

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Marshal Certification Process
- Topic 1-3: Definition of Duties

### Unit 2: Processing Permit & Plan Review Applications

- Topic 2-1: Processing Permit Applications
- Topic 2-2: Enforcing Permit Regulations
- Topic 2-3: Processing Plan Review Applications

### Unit 3: Complex Complaints

- Topic 3-1: Investigating Complex Complaints

### Unit 4: Modification of Codes and Standards

- Topic 4-1: Recommending Modifications to Codes and Standards

### Unit 5: Policies, Procedures, & Processes for Inspection Services

- Topic 5-1: Recommending Policies and Procedures for Inspection Services
- Topic 5-2: Generating Written Appeals Correspondence
- Topic 5-3: Initiating Legal Action
- Topic 5-4: Evaluating Inspections Reports

### Unit 6: Technical Reference Material Acquisition

- Topic 6-1: Proposing Technical Reference Material Acquisition





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Inspector 2B: Fire and Life Safety Requirements (2010)

**Hours:** 24

**Designed For:** The certified Fire Inspector I advancing to the Fire Inspector II classification

**Description:** This course provides students with a basic knowledge of fire and life safety requirements related to the roles and responsibilities of a Fire Inspector II including occupancy classification, egress elements, emergency plans and procedures, occupant loads, building construction and fire growth potential

**Prerequisites:** Fire Inspector 2A: Fire Prevention Administration

**Certification:** Fire Inspector II

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
▪ Fire Inspection and Code Enforcement (IFSTA, 7th edition, ISBN: 9780879393489)		7 <sup>TH</sup> EDITION	Various
OR Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1 <sup>st</sup> edition, ISBN: 9780763749392)		1 <sup>ST</sup> EDITION	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Code (International Code Council, 2013 edition, ISBN: 9781609834579)		2013	Various
▪ California Code of Regulations (CCR) Title 19		CURRENT	O.A.L.
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
Reference Manual Options			
▪ Fire Inspection and Code Enforcement Instructor Resource Kit (IFSTA, 7 <sup>th</sup> edition, ISBN: 9780879393557)		7 <sup>TH</sup> EDITION	Various
Or a combination of the following:			
▪ Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1 <sup>st</sup> edition, Jones & Bartlett Learning, ISBN: 9780763749392)		1 <sup>ST</sup> EDITION	J&B
• Fire Inspector: Principles and Practice Instructor's ToolKit CD-ROM (International Association of Fire Chiefs, Cdr edition, Jones & Bartlett Learning, ISBN: 9780763798598)		CDR	J&B
▪ Fire Inspector: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, Cdr edition, Jones & Bartlett Learning, ISBN: 9780763798581)		CDR	J&B
▪ Online Instructor Resources - Activities		CURRENT	SFT
VENDORS			
O.A.L.	Office of Administrative Law	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
J&B	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE INSPECTOR 2B COURSE CONTENT

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Marshal Certification Process

### Unit 2: Occupancy Classification

- Topic 2-1: Classifying the Occupancy of a Building
- Topic 2-2: Classifying Occupancy in a Mixed-Use Building

### Unit 3: Egress Elements

- Topic 3-1: Verifying Means of Egress Elements
- Topic 3-2: Analyzing Egress Elements
- Topic 3-3: Proposing Correction for Egress Deficiencies

### Unit 4: Emergency Plans and Procedures

- Topic 4-1: Recommending Criteria for Developing Emergency Plans and Procedures
- Topic 4-2: Evaluating Emergency Planning and Preparedness Procedures

### Unit 5: Occupant Loads

- Topic 5-1: Computing Maximum Allowable Occupancy Loads
- Topic 5-2: Computing the Maximum Occupant Load of a Multi-Use Building
- Topic 5-3: Assessing Alternative Methods to Adjust Occupant Loads

### Unit 6: Building Construction

- Topic 6-1: Verifying Building Construction and Construction Type
- Topic 6-2: Evaluating Construction Type of an Addition or Remodel

### Unit 7: Fire Growth Potential

- Topic 7-1: Determining Fire Growth Potential



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Inspector 2C: Inspecting New and Existing Fire & Life Safety Systems and Equipment (2010)

**Hours:** 16

**Designed For:** The certified Fire Inspector I advancing to the Fire Inspector II classification

**Description:** This course provides students with a basic knowledge of inspection requirements related to the roles and responsibilities of a Fire Inspector II including inspection of life safety systems and building services equipment, fire protection systems, and emergency access criteria.

**Prerequisites:** Fire Inspector 2A: Fire Prevention Administration

**Certification:** Fire Inspector II

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
<ul style="list-style-type: none"> <li>California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)</li> </ul>		CURRENT	Various
<b>Reference Manual Options:</b>			
<ul style="list-style-type: none"> <li>Fire Inspection and Code Enforcement (IFSTA, 7th edition, ISBN: 9780879393489 <b>OR:</b></li> </ul>		7 <sup>TH</sup> EDITION	Various
<ul style="list-style-type: none"> <li>Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1<sup>st</sup> edition, ISBN: 9780763749392)</li> </ul>		1 <sup>ST</sup> EDITION	Various
REQUIRED INSTRUCTOR MATERIALS			
<ul style="list-style-type: none"> <li>California Building Code (International Code Council, 2013 edition, ISBN: 9781609834579)</li> </ul>		2013	Various
<ul style="list-style-type: none"> <li>California Code of Regulations (CCR) Title 19</li> </ul>		CURRENT	O.A.L.
<ul style="list-style-type: none"> <li>California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)</li> </ul>		CURRENT	Various
<b>Reference Manual Options</b>			
<ul style="list-style-type: none"> <li>Fire Inspection and Code Enforcement Instructor Resource Kit (IFSTA, 7<sup>th</sup> edition, ISBN: 9780879393557</li> </ul>		7 <sup>TH</sup> EDITION	Various
<b>Or a combination of the following:</b>			
<ul style="list-style-type: none"> <li>Fire Inspector: Principles and Practice (International Association of Fire Chiefs, 1<sup>st</sup> edition, Jones &amp; Bartlett Learning, ISBN: 9780763749392)</li> </ul>		1 <sup>ST</sup> EDITION	J&B
<ul style="list-style-type: none"> <li>Fire Inspector: Principles and Practice Instructor's ToolKit CD-ROM (International Association of Fire Chiefs, Cdr edition, Jones &amp; Bartlett Learning, ISBN: 9780763798598)</li> </ul>		CDR	J&B
<ul style="list-style-type: none"> <li>Fire Inspector: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, Cdr edition, Jones &amp; Bartlett Learning, ISBN: 9780763798581)</li> </ul>		CDR	J&B
<ul style="list-style-type: none"> <li>Online Instructor Resources - Activities</li> </ul>		CURRENT	SFT
VENDORS			
O.A.L.	Office of Administrative Law	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
J&B	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE INSPECTOR 2C COURSE CONTENT

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Marshal Certification Process

### Unit 2: Life Safety Systems and Building Services Equipment

- Topic 2-1: Evaluating Fire, Life Safety, and Property Protection Equipment
- Topic 2-2: Verifying Code Compliance of Building Service Equipment and Operations
- Topic 2-3: Verifying Installation, Inspection, and Testing of Life Safety Systems and Building Services Equipment
- Topic 2-4: Evaluating Compliance of Life Safety Systems and Building Services Equipment with Construction Documents

### Unit 3: Fire Protection Systems

- Topic 3-1: Reviewing Proposed Installation of Fire Protection Systems
- Topic 3-2: Reviewing Installed Fire Protection Systems
- Topic 3-3: Witnessing an Acceptance Test for an Integrated Fire Protection System

### Unit 4: Emergency Access Criteria

- Topic 4-1: Developing Emergency Access Criteria



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Fire Inspector 2D: Hazardous Materials, Operations, and Processes (2010)

**Hours:** 32

**Designed For:** The certified Fire Inspector I advancing to the Fire Inspector II classification

**Description:** This course provides students with a basic knowledge of hazardous materials, operations, and processes related to the roles and responsibilities of a Fire Inspector II including hazardous conditions, flammable and combustible liquids and gases, and hazardous materials.

**Prerequisites:** Fire Inspector 2A: Fire Prevention Administration

**Certification:** Fire Inspector II

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 30

**Inst./Stud. Ratio** 1:30

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
Reference Manual Options:			
▪ Fire Inspection and Code Enforcement (IFSTA, 7th edition, ISBN: 9780879393489 OR:		7 <sup>TH</sup> EDITION	Various
▪ Fire Inspector: Principles and Practice (International Association of Fire Chiefs, ISBN: 9780763749392)		1 <sup>ST</sup> EDITION	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Code (International Code Council, ISBN: 9781609834579)		2013	Various
▪ California Code of Regulations (CCR) Title 19		CURRENT	O.A.L.
▪ California Fire Code (with Title 19 excerpts) (International Code Council, 2013 edition, ISBN: 9781609834609)		CURRENT	Various
Reference Manual Options			
▪ Fire Inspection and Code Enforcement Instructor Resource Kit (IFSTA, 7 <sup>th</sup> edition, ISBN: 9780879393557 Or a combination of the following:		7 <sup>TH</sup> EDITION	Various
▪ Fire Inspector: Principles and Practice (International Association of Fire Chiefs, ISBN: 9780763749392)		1 <sup>ST</sup> EDITION	J&B
• Fire Inspector: Principles and Practice Instructor's ToolKit CD-ROM (International Association of Fire Chiefs, ISBN: 9780763798598)		CDR	J&B
▪ Fire Inspector: Principles and Practice Instructor's Test Bank CD-ROM (International Association of Fire Chiefs, ISBN: 9780763798581)		CDR	J&B
▪ Online Instructor Resources - Activities		CURRENT	SFT
VENDORS			
O.A.L.	Office of Administrative Law	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
J&B	Jones & Bartlett Learning	<a href="http://www.jblearning.com/">http://www.jblearning.com/</a>	
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## FIRE INSPECTOR 2D COURSE CONTENT



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## FIRE INSPECTOR 2D COURSE CONTENT

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Fire Marshal Certification Process

### Unit 2: Hazardous Conditions

- Topic 2-1: Evaluating Hazardous Conditions Involving Equipment, Processes, and Operations
- Topic 2-2: Evaluating Alternative Protection Measures for Equipment, Operations, and Processes
- Topic 2-3: Evaluating Fire Protection Plans and Practices

### Unit 3: Flammable and Combustible Liquids and Gases

- Topic 3-1: Verifying Code Compliance for Storage, Handling, and Use of Flammable and Combustible Liquids and Gases
- Topic 3-2: Evaluating Compliance Alternatives for the Storage, Handling, and Use of Flammable or Combustible Liquids and Gases

### Unit 4: Hazardous Materials

- Topic 4-1: Verifying Code Compliance for the Storage, Handling, and Use of Hazardous Materials
- Topic 4-2: Evaluating Compliance Alternatives for the Storage, Handling, and Use of Hazardous Materials



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

CFSTES

**Course:** Fire Prevention 1: Fire and Life Safety Inspections for the Company Officer (2011)  
**Hours:** 32 (27:00 lecture, 3:00 activities, 1:30 testing)  
**Designed For:** The entry-level Company Officer  
**Description:** Upon completion of this course, the student will have a basic knowledge of the Company Officer certification track and Capstone Task Book process. The student will also be equipped with knowledge and skills related to the Company Officer's role in fire prevention, the relationship between life safety and building construction, the elements of a quality company inspection program, and how to address complex hazards encountered during an inspection.  
**Prerequisites:** None  
**Certification:** Company Officer  
**Standard:** Complete all summative tests with a minimum score of 80%.  
**Max. Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Fire Inspection Guide		Current	CFCA
▪ Fire Prevention Applications for the Company Off. (ISBN 978-0-87939-384-7)		First	FPP
REQUIRED INSTRUCTOR MATERIALS			
▪ California Fire Inspection Guide		Current	CFCA
▪ Fire Prevention Applications for the Company Off. (ISBN 978-0-87939-384-7)		First	FPP
▪ Online Instructor Resources		2013	SFT

VENDORS		
CFCA	California Fire Chiefs Association	<a href="http://www.calchiefs.org">www.calchiefs.org</a>
FPP	Fire Protection Publications (800-654-4055)	<a href="http://www.ifsta.org">www.ifsta.org</a>
SFT	Online Instructor Resources	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>

## PREVENTION 1 COURSE OUTLINE

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Company Officer Certification Process

### Unit 2: The Company Officer's Role in Fire Prevention

- Topic 2-1: Relationship Between Historic and Current Fire Problems
- Topic 2-2: National Fire Incident Reporting System
- Topic 2-3: Community Risk Analysis
- Topic 2-4: Basic Elements of Fire and Life Safety Education and Public Relations
- Topic 2-5: Using The *California Fire Inspector's Guide*
- Topic 2-6: Authority and Responsibility for Company Inspections and Related Activities

### Unit 3: Relationship Between Life Safety and Building Construction

- Topic 3-1: Occupancy Classifications and Related Hazards
- Topic 3-2: Building Construction Types and Fire Behavior
- Topic 3-3: Developing a Pre-Incident Plan

### Unit 4: Elements of a Company Inspection Program

- Topic 4-1: Importance of Conducting a Fire Inspection
- Topic 4-2: Code Enforcement and Appeal Process
- Topic 4-3: Construction Features that Affect Fire, Heat, and Smoke Spread in a Building



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## PREVENTION 1 COURSE OUTLINE (cont'd)

- Topic 4-4: Fire Inspection Records, Reports, and Forms
- Topic 4-5: Conducting a Company Fire Inspection
- Topic 4-6: Inspecting the Exterior of a Structure
- Topic 4-7: Inspecting the Interior of a Structure
- Topic 4-8: Inspecting Fire Alarm Detection and Notification Systems
- Topic 4-9: Inspecting Fire Protection Systems and Equipment
- Topic 4-10: Inspection Follow-up Procedures
- Topic 4-11: Standby Life Safety Duty

### Unit 5: Complex Hazards

- Topic 5-1: Inspecting Complex Hazards and Fire Safety Requirements
- Topic 5-2: Hazardous Materials
- Topic 5-3: Inspections in the Wildland Urban Interface Environment





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2017\*\***

**Hours:** 40  
**Fire Prevention 3A: Hydraulic Sprinkler Calculations (1995)**  
**Designed For:** Fire prevention officials and plan checkers  
**Description:** This course offers an explanation and analysis of the functions and capabilities of a hydraulically calculated sprinkler system. Participants will learn and practice with the various methods used to perform hydraulic calculations.  
**Prerequisites:** Fire Inspector 1A, 1B, 1C, and 1D **OR** Fire Prevention 1A and 1B  
High School Algebra or College Math  
**Certification:** Plans Examiner  
**Max Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		Current *	Instructor
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		Current *	Instructor
▪ Instructor-developed Summative Test		Current *	Instructor

**\*Instructor must develop until documents are available**

VENDORS	
FIRE PREVENTION 3A COURSE OUTLINE	

Course Objectives: To provide the student with...

- Information and analysis of the functions and capabilities of a hydraulically calculated sprinkler system.

To identify Course Content..... 40:00

Concepts of Hydraulics In Fire Protection Systems

Glossary of Terms and Definitions

System Piping and Fittings

Water Supply

Classification of Occupancies

Allowable Head Coverage

Most Remote Area

K Factor

Minimum and Head Pressure and Flow

Friction Loss

Hydraulic Calculation

Trees, Loops and Grids

Advanced Concepts

Instructor-developed Summative Test



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2017\*\***

**Hours:** 40  
**Designed For:** Fire prevention officials and allied professionals responsible for plan review  
**Description:** This course provides hands-on training. Topics include codes, standards and local amendments, site-plan review, building construction and characteristics, fire protection equipment, multi-family occupancies, commercial buildings, care facilities, drinking/dining facilities, shopping malls, and high-rise buildings.  
**Prerequisites:** Fire Inspector 2A, 2B, 2C, and 2D **OR** Fire Prevention 2B  
**Certification:** Plans Examiner  
**Max Class Size:** 40  
**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		Current *	Instructor
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Guide		Current *	Instructor
▪ Instructor-developed Summative Test		Current *	Instructor

**\*Instructor must develop until new documents are available**

## VENDORS

## FIRE PREVENTION 3B COURSE OUTLINE

Course Objectives: To provide the student with...

- Hands-on training for Plan Reviewers.
- Information on codes, standards, and local amendments.
- Information on site plan review, building construction, and fire protection equipment.
- Information on plan review for various occupancy classifications.

To identify Course Content..... 40:00

Introduction To Plans and Plans Review

Use of Check Sheets, Plans, Rules, Other Tools and Equipment Components of A Plan

Site Plan Review Location of Buildings Accessibility

Water Supply Terrain

Plan Check Guides

Plan Review of Group B Occupancy Plan Review of Group I Occupancy Full Plan Check of Day Care Center Plan

Correction Techniques Instructor-developed Summative Test



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## Fireworks Enforcement/Special Effects

**Hours:**  
**Designed For:**  
**Description:**  
**Prerequisites:** None  
**Certification:** None  
**Max Class Size:** 40

**Restrictions:** This course is scheduled and taught by SFM Fire Engineering staff only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ None			
REQUIRED INSTRUCTOR MATERIALS		EDITION	VENDORS
▪ None			
CONTACT			
OSFM/FE	OSFM/Fire Engineering (916-445-8373) <a href="http://osfm.fire.ca.gov/strucfireengineer/strucfireengineer_fireworks.php">http://osfm.fire.ca.gov/strucfireengineer/strucfireengineer_fireworks.php</a>		
FIREWORKS ENFORCEMENT/SPECIAL EFFECTS COURSE OUTLINE			
▪ None			



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Motion Picture/Television - Fire Safety Officer

**Hours:** 24

**Designed For:** Fire prevention, suppression and investigation officers, special effects technicians, film production safety coordinators, stunt coordinators, line producers, directors, location managers, film commissioners, insurance risk managers and other governmental officials who interact with the entertainment industry in a safety capacity.

**Description:** This course provides the student with a basic knowledge of film production fire safety, both on the studio lot and location filming. Areas covered include: filming and fire code permits, licensing, safety officer responsibilities, who's who on location, fire safety hazards associated with lighting, generators, electrical cabling, set construction, studio and warehouse filming, pyrotechnic special effects laws and regulations (handling, use, storage and transportation) and stunt safety. In addition, the training incorporates live pyrotechnic special effects and stunt demonstrations, special guest speakers, product orientation and slides and videos from many different films.

**Prerequisites:** None

**Max. Class Size:** 75

**Restrictions:** This course is scheduled and taught by OSFM Fire Engineering – Fireworks Program staff experienced with Motion Picture/Television only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Filming in California		2012	OSFM-MP&E
▪ Fireworks in California		2011	OSFM-MP&E
REQUIRED INSTRUCTOR MATERIALS			
Filming in California		2012	OSFM-MP&E
Fireworks in California		2011	OSFM-MP&E
Instructor Guide		2012	OSFM-MP&E
VENDORS			
OSFM	Fire Engineering – Motion Picture & Entertainment Safety		

## MOTION PICTURE/TELEVISION – FIRE SAFETY OFFICER COURSE PLAN

### Course Objectives:

- Provide students with the knowledge, skills and abilities to recognize common and special hazards in the filming industry and enforce fire prevention laws and regulations while assigned to filming locations.
- Provide students with information about the role of the fire department while assigned to filming locations.
- Provide a level of enforcement consistency from jurisdiction to jurisdiction when assigned to filming locations.
- Provide the Filming Industry and the People of the State a safe environment when production companies are filming on location.

### Day 1:

Orientation and Introduction .....	1:00
Filming in California .....	1:00
Film Production Safety .....	1:00
The FSO .....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## MOTION PICTURE/TELEVISION – FIRE SAFETY OFFICER COURSE PLAN

Permits.....	1:00
Electrical Awareness.....	3:00

### Day 2:

Film Production Safety .....	1:00
Tents & Membrane Structures .....	1:00
Refueler's.....	0:30
Other Permits .....	0:30
Laws and Regulations .....	4:00
Studio and Warehouses.....	0:30
Helicopters.....	0:30

### Day 3:

Weapons.....	1:00
Stunts.....	1:00
Special FX Demo .....	4:00
Examination.....	1:00
Course Evaluations and Certificates .....	1:00

Course Hours.....	24:00
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# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Plan Examiner 1A: Building Plan Review (2015)

**Hours:** 26

**Designed For:** Those desiring to become a plan examiner

**Description:** This course provides the knowledge and skills that prepare a plan examiner to carry out administrative responsibilities associated with plan review services and evaluate plans for new buildings in accordance with applicable codes and standards and jurisdictional policies and procedures.

**Prerequisites:** None

**Certification:** Plan Examiner

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 25

**Inst./Stud. Ratio:** 1:25

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Building Standards Code		CURRENT	ICC
▪ California Fire Code		CURRENT	ICC
▪ Engineers Scale		--	Various
▪ Architectural Scale		--	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Standards Code		CURRENT	ICC
▪ California Fire Code		CURRENT	ICC
▪ Engineers Scale		--	Various
▪ Architectural Scale		--	Various
VENDORS			
ICC	International Code Council	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	

## PLAN EXAMINER 1A COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Plan Examiner Certification Process
- Topic 1-3: Definition of Duties

### Unit 2: Administration

- Topic 2-1: Determining Applicable Codes and Standards
- Topic 2-2: Recommending and Developing Plan Review Policies and Procedures
- Topic 2-3: Processing Plan Review Documents
- Topic 2-4: Creating Plan Review Checklists and Forms
- Topic 2-5: Preparing Reports
- Topic 2-6: Resolving Deficiencies During a Plan Review
- Topic 2-7: Participating in Legal Proceedings

### Unit 3: New Building Plan Review

- Topic 3-1: Verifying Occupancy Classification and Maximum Allowable Occupant Loads
- Topic 3-2: Verifying Construction Type
- Topic 3-3: Evaluating Emergency Vehicle Access



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## PLAN EXAMINER 1A COURSE CONTENT\*

- Topic 3-4: Evaluating Plans for Installing Fire Protection and Life Safety Systems
- Topic 3-5: Evaluating Proposed Passive Fire Protection Elements
- Topic 3-6: Verifying Means of Egress Compliance
- Topic 3-7: Evaluating Building Service Equipment and Operations
- Topic 3-8: Evaluating Plans for Existing Occupancies

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Plan Examiner 1B: Fire Protection and Life Safety System Plan Review (2015)

**Hours:** 27

**Designed For:** Those desiring to become a plan examiner

**Description:** This course provides the knowledge and skills that prepare a plan examiner to evaluate fire flow compliance and identify requirements and review installation plans for fire protection and life safety systems.

**Prerequisites:** Plan Examiner 1A: Building Plan Review

**Certification:** Plan Examiner

**Standard:** Complete all summative tests with a minimum score of 80%.

Complete all activities and formative tests.

**Max. Class Size:** 25

**Inst./Stud. Ratio:** 1:25

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Building Standards Code		CURRENT	ICC
▪ California Fire Code		CURRENT	ICC
▪ NFPA 13: Standard for the Installation of Fire Sprinkler Systems		CURRENT	NFPA
▪ NFPA 14: Standard for the Installation of Standpipe and Hose Systems		CURRENT	NFPA
▪ NFPA 17A: Standard for Wet Chemical Extinguishing Systems		CURRENT	NFPA
▪ NFPA 72: National Fire Alarm and Signaling Code		CURRENT	NFPA
▪ Calculator		--	Various
▪ Engineers Scale		--	Various
▪ Architectural Scale		--	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Standards Code		CURRENT	ICC
▪ California Fire Code		CURRENT	ICC
▪ NFPA 13: Standard for the Installation of Fire Sprinkler Systems		CURRENT	NFPA
▪ NFPA 14: Standard for the Installation of Standpipe and Hose Systems		CURRENT	NFPA
▪ NFPA 17A: Standard for Wet Chemical Extinguishing Systems		CURRENT	NFPA
▪ NFPA 72: National Fire Alarm and Signaling Code		CURRENT	NFPA
▪ NFPA 20: Standard for the Installation of Stationary Pumps for Fire Protection		--	Various
▪ NFPA 24: Standard for the Installation of Private Fire Service Mains and Their Appurtenances		--	Various
▪ Calculator		--	Various
▪ Engineers Scale		--	Various
▪ Architectural Scale		--	Various
VENDORS			
ICC	International Code Council	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
NFPA	National Fire Protection Association	<a href="http://www.nfpa.org/">http://www.nfpa.org/</a>	

## PLAN EXAMINER 1B: COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Plan Examiner Certification Process





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## PLAN EXAMINER 1B: COURSE CONTENT\*

### Unit 2: Fire Flow

- Topic 2-1: Evaluating Fire Flow Compliance

### Unit 3: Fire Protection and Life Safety Systems

- Topic 3-1: Identifying Requirements for Fire Protection of Life Safety Systems
- Topic 3-2: Reviewing Fire Protection and Life Safety System Installation Plans

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

CFSTES

**Course:** Plan Examiner 1C: Hazards and Special Operations Plan Review (2015)

**Hours:** 28

**Designed For:** Those desiring to become a plan examiner

**Description:** This course provides the knowledge and skills that prepare a plan examiner to evaluate plans associated with new construction, systems integration, alternative compliance, wildland urban interface areas, and special operations including hazardous materials and high-piled combustible storage.

**Prerequisites:** Plan Examiner 1A and Plan Examiner 1B

**Certification:** Plan Examiner

**Standard:** Complete all summative tests with a minimum score of 80%.  
Complete all activities and formative tests.

**Max. Class Size:** 25

**Inst./Stud. Ratio:** 1:25

**Restrictions:** None

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ California Building Standards Code		CURRENT	ICC
▪ California Fire Code		CURRENT	ICC
▪ International Code Council Performance Code for Buildings and Facilities		CURRENT	ICC
▪ NFPA 13: Standard for the Installation of Fire Sprinkler Systems		CURRENT	NFPA
▪ Calculator		--	Various
▪ Engineers Scale		--	Various
▪ Architectural Scale		--	Various
REQUIRED INSTRUCTOR MATERIALS			
▪ California Building Standards Code		CURRENT	ICC
▪ California Fire Code		CURRENT	ICC
▪ California Wildfire Landscaping (Maureen Gilmer, Taylor Publishing Co.)		1994	Various
▪ International Code Council Performance Code for Buildings and Facilities		CURRENT	ICC
▪ Plan Review Manual (Based on the 2009 IBC)		2009	ICC
▪ NFPA 13: Standard for the Installation of Fire Sprinkler Systems		CURRENT	NFPA
▪ Calculator		--	Various
▪ Engineers Scale		--	Various
▪ Architectural Scale		--	Various
VENDORS			
ICC	International Code Council	<a href="http://www.oal.ca.gov/publications.htm">www.oal.ca.gov/publications.htm</a>	
NFPA	National Fire Protection Association	<a href="http://www.nfpa.org/">http://www.nfpa.org/</a>	

## PLAN EXAMINER 1C: COURSE CONTENT\*

### Unit 1: Introduction

- Topic 1-1: Orientation and Administration
- Topic 1-2: Plan Examiner Certification Process

### Unit 2: Design and Systems Integration

- Topic 2-1: Evaluating Design Concepts
- Topic 2-2: Evaluating Systems Integration

### Unit 3: Alternative Compliance



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## PLAN EXAMINER 1C: COURSE CONTENT\*

- Topic 3-1: Evaluating Performance-Based Design Concepts
- Topic 3-2: Evaluating a Proposed Alternative Method for Compliance

### Unit 4: Wildland Urban Interface Areas

- Topic 4-1: Evaluating Development/Community or Wildland Urban Interface Landscape Plans

### Unit 5: Special Operations

- Topic 5-1: Evaluating Plans for Storage, Handling, and Use of Hazardous Materials
- Topic 5-2: Evaluating Plans for a Process or Operation
- Topic 5-3: Evaluating a Plan with Special (High-piled Combustible) Storage Arrangements

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Statues and Regulations (2015)  
**Hours:** 16  
**Designed For:** Fire chiefs, fire prevention personnel, building officials, and related design professionals  
**Description:** This course is designed for This course provides hands-on training. Topics include codes, standards and local amendments, site-plan review, building construction and characteristics, fire protection equipment, multi-family occupancies, commercial buildings, care facilities, drinking/dining facilities, shopping malls, and high-rise buildings.  
**Prerequisites:** None  
**Certification:** None  
**Standard:** N/A  
**Max. Class Size:** 50  
**Restrictions:** This course is scheduled and taught by OSFM staff only.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
N/A		--	--
REQUIRED INSTRUCTOR MATERIALS			
Title 19 : Public Safety		Current	Barclays
California Fire Laws		Current	LexisNexis
Title 24 : Part 2 - California Building Code		Current	ICC
Title 24 : Part 9 - California Fire Code		Current	ICC
IBC Code and Commentary		Current	ICC
IFC Code and Commentary		Current	ICC
VENDORS			
Barclays	Barclays (800-888-3600)	<a href="http://www.barclaysccr.com/">http://www.barclaysccr.com/</a>	
LexisNexis	LexisNexis (877-394-8826)	<a href="http://www.lexisnexis.com/">http://www.lexisnexis.com/</a>	
ICC	International Code Council (800-786-4452)	<a href="http://shop.iccsafe.org/">http://shop.iccsafe.org/</a>	

STATUES AND REGULATIONS COURSE OUTLINE	
Topic 1-1: Orientation and Administration.....	0:30
Topic 1-2: Assessment Quiz .....	0:30
Topic 1-3: Office of the State Fire Marshal Overview.....	1:00
Topic 2-1: California Laws and Regulations .....	2:00
Topic 2-2: California Building Code .....	1:00
Topic 2-3: Local Authority .....	1:00
Topic 2-3: Mandated Inspections .....	1:00
Topic 3-1: Code Adoption Process.....	1:00
Topic 3-2: California Building Code .....	3:00
Topic 3-3: California Fire Code.....	1:00
Topic 4-1: General Fire and Panic Safety Standards .....	1:00
Topic 4-1: Tents, Awnings & other Fabric Enclosures.....	1:00
Topic 4-1: Fire Extinguishers, Fire Alarms, Automatic Fire Extinguishing Systems.....	1:00
Topic 4-1: Fireworks.....	1:00
<b>Course Hours .....</b>	<b>16:00</b>

\*This is an abbreviated Course Plan. Terminal & Enabling Obj. & Site Requirements can be found on the full version located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**\*\*RETIRING DECEMBER 31, 2016\*\***

## PUBLIC EDUCATION COURSES

Public Education 1: Systematic Planning and Communication Skills (1989)

**Hours:** 40

**Designed For:** Designed for personnel involved with preparing and delivering public education and information programs

**Description:** Key topics include: Systematic planning process for public education, use of CFIRS to analyze local fire problems, communication skills, program evaluation, working with the media, integrating programs into schools, gaining community support, fire safety for children, interviewing and counseling juvenile fire setters, creating and using audio/visual resources, and idea and resource sharing.

**Prerequisites:** None

**Certification:** Public Education Officer I

**Max Class Size:** 40

**Restrictions:** Instructor-designed course may be substituted. A course outline and a copy of the student materials you will be using must be submitted and approved by State Fire Training.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		1989	SF
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Created Summative Exam		Current	Instructor
▪ Instructor Guide		1989	SF
VENDORS			
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
PUBLIC EDUCATION 1 COURSE OUTLINE			

Course Objectives: To provide the student with...

- The five step systematic planning process.
- An opportunity to improve communication skills through practice and oral presentations.
- Information to effectively use the available media in their geographic areas.
- Information to select, develop, organize, and use appropriate materials for fire prevention education.
- Information relative to individual value system development and interpersonal relationships.

Course Content .....	40:00
Introduction .....	1:30
The Need for Public Education .....	1:00
Introduction to Communication .....	0:30
Oral Communication .....	1:30
An Overview of Audio/Visual Materials .....	0:30
Written Communication .....	0:30
Student Presentations .....	23:00
Public Education Planning – a Five Step Process .....	3:00
Fire Behavior .....	1:30
Fire Extinguishers .....	1:00
Residential Fire Sprinklers .....	0:45
Smoke Detectors .....	0:45
Human Behavior in Fire .....	3:30
Course Review and Summative Exam.....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## TECHNICAL RESCUE COURSES

**Course:** Confined Space Rescue Technician (2008)

**Hours:** 40

**Designed For:** All emergency personnel with confined spaces within their jurisdiction

**Description:** This course is an intensive hands-on training program that will prepare you to respond to confined space emergencies. This course of instruction prepare the student in identifying confined spaces and permit-required confined spaces, the hazards associated with permit required confined spaces, target industries and hazards, state and federal regulations, components of a rescue operation, and the roles and responsibilities of the rescue team.

**Prerequisites:** Confined Space Rescue Awareness

**Certification:** None

**Max. Class Size:** 36

**Student/Instr. Ratio** 12:1

36 student max: Three-squad site with 3 Primary Instructors and 1 Senior Instructor

24 student max: Two-squad\* site with 2 Primary Instructors and 1 Senior Instructor

12 student max: One-squad\* site with 1 Primary Instructors and 1 Senior Instructor

\*For 1 or 2-squad sites, the Senior Instructor may also function as a Primary Instructor

**Restrictions:** This course can only be delivered at an accredited SFT Rescue Training site.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		2007	CMC
▪ Student Task Book		Current	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Materials on disk (PowerPoint Slides included)		2008	SFT
▪ Student Manual		2007	CMC
VENDORS			
CMC	CMC Rescue (800-235-5741)	<a href="http://www.cmcrescue.com">http://www.cmcrescue.com</a>	
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## CONFINED SPACE RESCUE TECHNICIAN COURSE OUTLINE\*

Course Objectives: To provide the student with...

- Information on regulations and standards for entry into confined spaces
- Information to identify confined spaces and permit-required confined spaces
- Information to identify the hazards associated with confined spaces
- Techniques to perform confined space rescue on incidents involving terrorism or weapons of mass destruction
- Information and techniques to select and use atmospheric monitoring equipment and the equipment necessary to control hazards in confined spaces
- Information and techniques to identify, select, and use personal protective equipment
- Information and techniques to use various types of victim removal and packaging systems
- Information and techniques to construct rope rescue systems for confined space rescue
- The information necessary to plan, organize, operate, and command at confined space rescue incidents
- The opportunity to apply the principles of confined space rescue through directed rescue scenarios

### Orientation Module

Course Introduction .....	0:15
Confined Space Identification .....	1:30
CAL-OSHA Regulations.....	1:00
Federal Regulation-CFR 1910. 146 .....	0:00
Confined Space Hazards .....	1:30
Atmospheric Monitoring .....	1:00
Hazard Control.....	1:00
Personal Protective Equipment .....	0:45
Phases of Confined Space Rescue .....	0:30
Rescue Rope and Related Equipment.....	1:00



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## CONFINED SPACE RESCUE TECHNICIAN COURSE OUTLINE\*

High Point Anchor Systems .....	0:30
Communications .....	0:30
Permitting Confined Spaces .....	0:30
Skills Module	
Knots .....	1:30
Anchor Systems .....	0:50
RPM .....	1:15
Belay Systems .....	0:30
Raising Systems .....	1:15
Rescuer and Victim Packaging .....	2:00
Respiratory Protection .....	1:00
Communication Systems .....	1:00
Hazard Control .....	1:10
Atmospheric Monitoring .....	1:00
High Point Anchor Systems .....	2:30
Scenarios .....	16:00
<b>Course Content .....</b>	<b>40:00</b>

\*This is an abbreviated Course Plan. Terminal & Enabling Obj. & Site Requirements can be found on the *full version* located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Rescue Systems 1: Basic Rescue Skills (2010)  
**Hours:** 40  
**Designed For:** All emergency response personnel  
**Description:** Key topics include: Team organization, rescue, and environmental considerations, use of ropes, knots rigging and pulley systems, descending, rappelling, and belaying tools and techniques, subsurface rescue techniques, use of cribbing, wedges, cutting/prying and hydraulic tools, use of fire service ladders in specialized rescue situations, and day and night simulated rescue exercises.  
**Prerequisites:** Fire Fighter I or equivalent training, Low Angle Rope Rescue Operational  
**Certification:** None  
**Max. Class Size:** Student/instructor ratio: 12:1  
48 student max: Four-module site with 4 Primary Instructors and 1 Senior Instructor  
36 student max: Three-module site with 3 Primary Instructors and 1 Senior Instructor  
24 student max: Two-module site with 2 Primary Instructors  
12 student max: One-module site with 1 Primary Instructor  
**Restrictions:** This course can only be delivered at an accredited SFT Rescue Training site.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		2010	SFT
▪ Student Task Book		Current	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Materials on disk (PowerPoint Slides included)		2010	SFT
▪ Student Manual		2010	SFT
VENDORS			
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## RESCUE SYSTEMS 1 COURSE OUTLINE\*

Course Objectives: To provide the student with...

- Techniques to operate safely when working around the structural collapse of light frame buildings
- Information on the potential hazards associated with rescue operations
- An opportunity to build on skills acquired in Low Angle Rope Rescue Operational training
- Information and techniques for lifting and moving heavy objects
- Information and techniques to break or breach building components to access a victim(s)
- Information and techniques to shore and stabilize building components

Topic 1-1: Introduction To the California Urban Search and Rescue System .....	1:00
Topic 1-2: Rescue Operations .....	1:00
Topic 1-3: US&R Safety and Medical Care for Victims .....	1:00
Topic 1-4: US&R Planning and Preparation .....	1:00
Topic 2-1: Rescue Knots and Hitches .....	0:45
Topic 2-2: Anchor Systems .....	0:45
Topic 2-3: Rescuer and Ambulatory Victim Packaging .....	0:30
Topic 2-4: System Attachments and Fall Restraint .....	0:30
Topic 2-5: Belay/Safety Line Systems .....	0:30
Topic 2-6: Rappelling / Descending .....	0:30
Topic 2-7: Lower and Raise Main Line Systems .....	0:30
Topic 3-1: Introduction to Lifting and Moving Heavy Objects .....	4:00
Topic 4-1: Introduction to Breaking and Breaching .....	4:00
Topic 5-1: Ladder Rescue Systems .....	8:00
Topic 6-1: Introduction to Structure Shoring Systems .....	2:00
Topic 6-2: Introduction to Basic Tools and Equipment for Emergency Shoring Operations .....	1:00
Topic 6-3: Introduction to the Timber Spot Shore (Class I) .....	2:00
Topic 6-4: Introduction to the Two-post Vertical Shore (Class II) .....	2:00





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## RESCUE SYSTEMS 1 COURSE OUTLINE\*

Topic 6-5: Introduction to the Horizontal Shore .....	2:00
Topic 6-6: Introduction to the Pre-constructed Window and Door Shore .....	2:00
Topic 6-7: Introduction to the Sloped Surface Shore with Cribbing .....	2:00
Topic 6-8: Introduction to the Split Sole Raker Shore System .....	2:00
Topic 6-9: Introduction to the Cutting Station .....	1:00
<b>Course Content.....</b>	<b>40:00</b>

\*This is an abbreviated Course Plan. Terminal & Enabling Obj. & Site Requirements can be found on the full version located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

**Course:** Rescue Systems 2: Advanced Rescue Skills (2010)  
**Hours:** 40  
**Designed For:** All fire service and allied emergency response personnel  
**Description:** Provides advanced heavy rescue system techniques. Key topics include: Structural building types, wood and mechanical shores, crib capacities, floor weight calculations, building search, confined space considerations, damaged structure hazard assessment, use of power tools, air bags, and USAR ICS.  
**Prerequisites:** Rescue Systems 1, Basic ICS  
**Certification:** None  
**Max. Class Size:** Student/instructor ratio: 12:1  
48 student maximum: Four-module site with 4 Primary Instructors and 1 Senior Instructor  
36 student maximum: Three-module site with 3 Primary Instructors and 1 Senior Instructor  
24 student maximum: Two-module site with 2 Primary Instructors  
12 student maximum: One-module site with 1 Primary Instructor  
**Restrictions:** This course can only be delivered at a State Fire Training approved site.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Student Manual		2010	SFT
▪ Student Task Book		Current	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Instructor Materials on disk (PowerPoint Slides included)		2010	SFT
▪ Student Manual		2010	SFT
VENDORS			
SFT	State Fire Training	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	

## RESCUE SYSTEMS 2 COURSE OUTLINE\*

Course Objectives: To provide the student with...

- Information to incorporate safety practices in all phases of the planning and implementation of a rescue operation
- Information to identify and mitigate potential hazards associated with rescue operations
- An opportunity to build on skills acquired in Rescue Systems 1 training
- Reconnaissance strategies and techniques for locating victims in a collapsed building
- Information on structural triage and collapse patterns of building structures
- Information and techniques to shore and stabilize building components
- Information and techniques to break or breach building components to access a victim(s)
- Techniques of metal burning systems
- Information and techniques for lifting and moving heavy objects

Topic 1-1 Introduction and Introduction .....	1:00
Topic 1-2 Safety .....	1:00
Topic 1-3 Survival .....	1:00
Topic 1-4 Search Capabilities .....	1:00
Topic 1-5 Structure Triage .....	4:00
Topic 2-1: Collapse Patterns Structural Engineering .....	4:00
Topic 2-2: Structural Hazard Identification .....	4:00
Topic 3-1: Basic Shoring .....	4:00
Topic 3-2: Shoring Construction .....	4:00
Topic 4-1 Breaking and Breaching .....	3:00
Topic 4-2: Tool Applications and Assessment .....	1:00
Topic 4-3 Metal Burning .....	4:00
Topic 5-1 Lifting and Moving .....	8:00
<b>Course Hours .....</b>	<b>40:00</b>

\*This is an abbreviated Course Plan. Terminal & Enabling Obj. & Site Requirements can be found on the full version located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Rescue Systems 3: Structural Collapse Technician (2012)  
**Hours:** 24 (Six, 4 hour modules)  
**Designed For:** All fire service and allied emergency response personnel  
**Description:** Bridges the training gap between the California State Fire Training Rescue Systems 2 Advanced Rescue Skills course and the Federal Emergency Management Agency Structural Collapse Technician course. Key topics include: powder actuated tools, pneumatic shores, additional tools and techniques for breaking and breaching, cutting a tensioned cable, the "O" course, rigging, and crane operations.  
**Prerequisites:** Rescue Systems 2  
Confined Space Rescue Technician  
Trench Rescue Technician  
Hazardous Materials (Operations Level)  
**Certification:** None  
**Max. Class Size:** 48  
**Student to Instructor Ratio:** 12:1 and 1 Senior Instructor for 1-4 module delivery  
(Note: Senior cannot be a Primary in 3 or 4 module classes)  
**Restrictions:** Delivered only at an approved RS-2 training site.

Restrictions: Delivered only at an approved RS 2 training site			
REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Rescue Systems 3 Student/Instructor Manual		2012	SFT
▪ Rescue Systems 3 Student Task Book		Current	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Rescue Systems 3 PowerPoint		2012	SFT
VENDORS			
SFT	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
RESCUE SYSTEMS 3: STRUCTURAL COLLAPSE TECHNICIAN COURSE OUTLINE*			

## MODULE I

Topic 1: Introduction and Administration / Safety .....2:00  
Topic 2: Power Actuated Tools .....1:00  
Topic 3: Rigging .....1:00

## MODULE II

Topic 1: Shoring.....4:00

## MODULE III

Topic 1: Breaking / Breaching .....4:00

## MODULE IV

Topic 1: Cutting / Burning .....4:00

## MODULE V

Topic 1: Lifting / Moving ("O" Course) .....4:00

## MODULE VI

Topic 1: Lifting / Moving (Crane Operations) .....4:00

**Total Hours .....24:00**

\*This is an abbreviated Course Plan. Terminal & Enabling Obj. & Site Requirements can be found on the full version located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Rope Rescue Technician (2013)  
**Hours:** 40  
**Designed For:** All fire service and allied emergency response personnel  
**Description:** This course will prepare participants to undergo competency testing for high angle rescue. The scope of the program is to familiarize participants with the high angle environment and experience; and for them to safely participate in the engineering and operation of simple to complex rescue systems  
**Prerequisites:** Rescue Systems 1 (2009) and Low Angle Rope Rescue Operations (LARRO)  
**OR** Rescue Systems 1 (prior to 2009)  
**Certification:** None  
**Max. Class Size:** 48  
**Student/Instructor Ratio:** 12:1  
6:1 during highline operations  
\*Senior Instructor required for 1-4 module delivery. Senior Instructor cannot be a Primary Instructor in 3 or 4 module classes  
**Restrictions:** Training site meets site requirements and equipment standards.

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Rope Rescue Technician Instructor/Student Guide		2015	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Rope Rescue Technician Instructor/Student Guide		2015	SFT
▪ Rope Rescue Technician PowerPoint Presentation		2013	SFT
VENDORS			
SFT	State Fire Training Website	<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>	
ROPE RESCUE TECHNICIAN COURSE OUTLINE*			

CHAPTER 1: COURSE INTRODUCTION .....	1:00
CHAPTER 2: ROPE RESCUE EQUIPMENT .....	2:00
CHAPTER 3: KNOTS, BENDS, AND HITCHES .....	2:00
CHAPTER 4: ANCHOR SYSTEMS (SV) .....	2:00
CHAPTER 5: HIGH ANGLE VICTIM PACKAGING .....	2:00
CHAPTER 6: TRAVEL RESTRICTION .....	2:00
CHAPTER 7: BELAY SYSTEMS .....	1:00
CHAPTER 8: MAIN LINE SYSTEMS- LOWERING AND RAISING .....	2:00
CHAPTER 9: LOAD RELEASING METHODS .....	1:00
CHAPTER 10: RESCUE SCENE ORGANIZATION AND MANAGEMENT .....	1:00
CHAPTER 11: KNOT PASSING .....	2:00
CHAPTER 12: ASCENDING AND DESCENDING.....	3:00
CHAPTER 13: PICK-OFFS.....	3:00
CHAPTER 14: PROTECTED CLIMBING.....	3:00
CHAPTER 15: HIGH ANGLE LITTER RIGGING AND TENDING .....	4:00
CHAPTER 16: ARTIFICIAL HIGH DIRECTIONALS .....	3:00
CHAPTER 17: HIGHLINES.....	6:00
<b>Total Hours .....</b>	<b>40:00</b>

\*This is an abbreviated Course Plan. Terminal & Enabling Objectives & Site Requirements can be found on the full version located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

FSTEP

**Course:** Trench Rescue Technician (2014)

**Hours:** 24

**Designed For:** All fire service and allied emergency response personnel

**Description:** This three day (24 hour) course will take you from classroom discussion to working safely and efficiently in a trench rescue environment. This hands-on training program will cover topics that include: Trench and Excavation Regulations, Understanding Soil, Trench Configurations, Trench Hazards, Rescue Team Preparation, Incident Response, Initial On Scene and Pre-Entry Operations, Shoring Systems and Components, Installation of Shoring Systems, Victim Rescue and Recovery and Incident Termination

**Prerequisites:** Rescue Systems 1

**Certification:** None

**Max. Class Size:** 24

**Student/** 12:1

**Instructor Ratio:** 1-Squad Site: 12:1 (12 total students) with 1 Senior Instructor

2-Squad Site: 12:1 (24 total students) with 1 Senior Instructor and 1 Primary Instructor

**Restrictions:** The Senior Instructor must validate the trench rescue training site for compliance with the Trench Rescue Site Requirements and Equipment Standards

REQUIRED STUDENT MATERIALS		EDITION	VENDORS
▪ Trench Rescue Technician Manual		2014	CMC
▪ Trench Rescue Technician Student Task Book		Current	SFT
REQUIRED INSTRUCTOR MATERIALS			
▪ Trench Rescue Technician Manual		2014	CMC
VENDORS			
CMC	CMC Website		<a href="http://www.cmcrescue.com">www.cmcrescue.com</a>
SFT	SFT Website		<a href="http://osfm.fire.ca.gov/training/SFTCurriculum.php">http://osfm.fire.ca.gov/training/SFTCurriculum.php</a>
TRENCH RESCUE TECHNICIAN COURSE OUTLINE			

## INTRODUCTION

Terminal Learning Objective: Students provided with information from this chapter, along with headlines from current events, will be able to recall fatality statistics and case histories and accurately apply this information to potential liabilities in trench rescue operations.

## CHAPTER 1: OSHA Trench Regulations

Terminal Learning Objective: Students, with the information provided in this chapter, will demonstrate their knowledge by accurately citing specific regulations that impact trench rescue operations.

## CHAPTER 2: Understanding Soil

Terminal Learning Objective: Students provided with information from this chapter, will be able to accurately describe soil classifications and types, soil testing procedures and other factors affecting trench stability.

## CHAPTER 3: Trench Configurations

Terminal Learning Objective: Students, with the information provided in this chapter, will be able to accurately recognize types of trenches and excavations, along with the types of collapses, collapse patterns, and factors leading to trench failures.



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## TRENCH RESCUE TECHNICIAN COURSE OUTLINE\* (cont'd)

### CHAPTER 4: Trench Hazards

Terminal Learning Objective: Students provided with the information provided in this chapter, will accurately describe the different types of hazards associated in and around the trench incident as well as how to mitigate those hazards.

### CHAPTER 5: Rescue Team Preparation

Terminal Learning Objective: Students, with information provided in this chapter, will accurately recall and discuss rescue team preparation including rescue tool maintenance and use, scene accountability, personal protective equipment and scene safety.

### CHAPTER 6: Incident Response

Terminal Learning Objective: Students provided with information from this chapter, will accurately outline trench rescue considerations when responding to a given trench rescue incident.

### CHAPTER 7: Initial On-Scene Operations

Terminal Learning Objective: Students with information provided in this chapter, will be able to accurately identify and integrate the operational priorities at a given trench rescue incident.

### CHAPTER 8: Pre-Entry Operations

Terminal Learning Objective: Students, provided with information from this chapter along with the provided tools, equipment, and materials, will accurately describe and demonstrate the pre-entry operation essential to safely perform in-and-around a given trench rescue incident.

### CHAPTER 9: Protective Systems

Terminal Learning Objective: Students, with information provided in this chapter along with the provided tools, equipment, and materials, will accurately identify and demonstrate various types of protective systems in trench rescue operations.

### CHAPTER 10: Shoring Systems and Components

Terminal Learning Objective: Students, provided with information from this chapter along with the provided tools, equipment, and materials, will accurately identify shoring system components and demonstrate how they are deployed and used in a given trench rescue operation.

### CHAPTER 11

Terminal Learning Objective: Students, with information provided in this chapter along with the provided tools, equipment, and materials, will accurately demonstrate the installation of shoring systems in a given trench rescue operation.

### CHAPTER 12: Victim Rescue and Recovery

Terminal Learning Objective: Students, provided with information from this chapter along with the provided tools, equipment, and materials, will accurately identify factors that affect victim search, soil removal, and demonstrate victim rescue and recovery at a given trench rescue operation.

### CHAPTER 13: Incident Termination

Terminal Learning Objective: Students, with information provided in this chapter along with the provided tools, equipment, and materials, will accurately demonstrate all of the elements necessary to terminate a given trench rescue operation.

**Course Hours**.....**24:00**

\*This is an abbreviated Course Plan. Enabling Objectives & Site Requirements can be found on the full version located on the SFT Curriculum page of the SFT website at: <http://osfm.fire.ca.gov/training/SFTCurriculum.php>



# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

## Appendix—Tracking Changes

Rev. Date:	Revision Change:
July 2016	<p><u>Added:</u></p> <ul style="list-style-type: none"><li>• Outdoor Public Displays course outline</li><li>• Proximate Audience course outline</li><li>• Statutes &amp; Regulations course outline</li><li>• Photovoltaic course outline</li><li>• Vehicle Extrication</li><li>• Fire Control 4 (2015)</li><li>• Driver Operator 1A &amp; 1B (2015)</li><li>• Driver Operator Aerial, Tillered, Wildland Fire &amp; Water Tender courses</li><li>• Plan Examiner 1A, 1B, and 1C courses</li><li>• Instructor III: Instructional Program Management course</li><li>• Community Risk Officer, Educator and Specialist courses</li><li>• Executive Chief Fire Officer 4A, 4B, 4C, 4D, and 4E courses</li><li>• Evaluator Training</li></ul> <p><u>Fixed:</u></p> <ul style="list-style-type: none"><li>• Clarified that “class size” is “Max. Class size” for all classes</li><li>• Corrected Fire Control 3B course hours from 16 to 8-16 hrs. The class can be completed in 8 hrs with only the required exercises, however, if supplemental exercises are performed then the class could require up to 16 hrs.</li><li>• Corrected S-330 AR hours from 28 to 32 in the course summary section. The course outline already stated 32.</li><li>• Corrected HazMat (FRA, FRO, &amp; Decon) curriculum URL and updated edition from 1993 &amp; 1994 to “current”.</li><li>• Corrected curriculum date for RS 1 &amp; 2 from 2009 to 2010</li><li>• Corrected curriculum date for Fire Investigation 1A from 1996 to 2011</li><li>• Corrected Fire Instr. 2B reference; from being required for the Plans Examiner Cert. Track to the Fire Marshal Cert. Track.</li><li>• Corrected RS 1 &amp; RS 2 curriculum date from 2009 to 2010</li><li>• Corrected Instructor I and II Class Size Max from 20 to 32.</li><li>• Updated URL’s to all student &amp; instructor manuals in addition to student task books (from Instr. Resources to SFT Curriculum webpage)</li><li>• Removed prerequisite options (#1+#2) from Driver/Operator 1A now that it states in law DO/1A is the prerequisite to getting a class c fire fighter endorsement.</li><li>• Updated FF I (2013) student/instructor resources (added Pocket Guide, New Gen. Fire Shelter and updated Wildland to FF Handbook 3<sup>rd</sup> ed.)</li><li>• Updated S234 to S219</li><li>• Updated the Motion Picture/TV – Fire Safety Officer course plan</li><li>• Updated the Rope Rescue Tech. Student/Instructor Manual from 2013 to 2015 version</li><li>• Updated Company Off. 2E course plan - required manual “Fireline Handbook” is now called “Wildland Fire Inc. Management Guide”</li><li>• Updated TI1A-1C, Instructor 2A-2C, Com 1A-2E, Mgmt 1-2E, Pub Ed., Prv 1-3B, DO1A&amp;B, DOATTO, FF II (2001) &amp; FC4 (1997) with the retirement date of (12-31-2016)</li><li>• Removed full version of the course plan and replaced with course outlines for</li></ul>





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

	<p>the following courses: Open Water, AAIM, Terrorism Liaison, CSRT, RS 1, 2, &amp; 3, RRT, TRT, Open Water Rescue, and DOATTO. Full versions are now on the SFT website.</p> <p><u>Removed:</u></p> <ul style="list-style-type: none"> <li>• Fire Instructor 3 curriculum</li> <li>• Fire Fighter I (2001) curriculum</li> <li>• Fire Arson Detection</li> </ul>
May 2015	<p><u>Added:</u></p> <ul style="list-style-type: none"> <li>• Chief Fire Officer 3A-3D</li> </ul>
April 2015	<p><u>Added:</u></p> <ul style="list-style-type: none"> <li>• Company Officer 2A-2E</li> <li>• Instructor I: Instructor Methodology</li> <li>• Instructor II: Instructor Development</li> </ul> <p><u>Fixed:</u></p> <ul style="list-style-type: none"> <li>• FF I (2001) Curriculum discontinued 12/31/15</li> <li>• FF II (2001) Curriculum discontinued 12/31/16</li> <li>• Updated I200, I300, &amp; I400 resource information</li> <li>• Updated FF I (2013) total hours (typo)</li> <li>• Corrected Fire Inspector 2A Max Class size from 40 to 30</li> <li>• All HazMat curriculum now reflects (2007) version rather than (1993-1996)</li> <li>• Updated all references from Instructor Resources to Resources</li> <li>• Typo's</li> </ul> <p><u>Removed:</u></p> <ul style="list-style-type: none"> <li>• Fire Prevention 1A, 1B, 1C, 2A, 2B, &amp; 2C</li> </ul>
October 2014	<p><u>Added:</u></p> <ul style="list-style-type: none"> <li>• Trench Rescue Technician (2014)</li> <li>• Rope Rescue Technician (2013)</li> </ul> <p><u>Fixed:</u></p> <ul style="list-style-type: none"> <li>• Updated Fire Prevention 2A, 2B, 2C, and 3A prerequisite to also include Fire Inspector 1A-1D.</li> <li>• Updated Fire Prevention 3B prerequisite to also include Inspector 2A-2D.</li> <li>• Updated Fire Inspector 2A prerequisite to also include Fire Prevention 1A-1C and fixed Fire Inspector I to say Fire Inspector 1A-1D.</li> <li>• Updated missing student manual to Inspector 1A, 1B, &amp; 1C</li> <li>• Updated Command &amp; Control of the RIC Deployment course outline label, previously stated Fire Fighter Survival course outline</li> <li>• Various typos and formatting</li> </ul>
July 2014	<p><u>Added:</u></p> <ul style="list-style-type: none"> <li>• Fire Fighter I (2013)</li> <li>• Fire Fighter II (2013)</li> <li>• Open Water Rescuer – Basic (2014)</li> </ul> <p><u>Fixed:</u></p> <ul style="list-style-type: none"> <li>• Updated RIC Operations prerequisite to allow either FFS or IAFF.</li> <li>• Updated Command 1A prerequisite to allow either Prevention I (2011) or Prevention 1A &amp; 1B (2009)</li> </ul> <p><u>Removed:</u></p> <ul style="list-style-type: none"> <li>• Fire Command 1A</li> <li>• Fire Command 1C</li> </ul>





# COURSE INFORMATION AND REQUIRED MATERIALS

July 2016

April 2014	<u>Fixed:</u> <ul style="list-style-type: none"> <li>Clarification revision: Updated Fire Command 1B, Fire Command 1C &amp; Fire Command 2A to allow the Command 1A course to satisfy the prerequisite.</li> <li>Clarification revision: Updated Command 1C to allow Fire Command 1A to satisfy the prerequisite.</li> <li>The Prevention 1 manual name is updated; The CA Fire Inspector's Guide is now The CA Fire Inspection Guide</li> </ul>
December 2013	<u>Added:</u> <ul style="list-style-type: none"> <li>Fire Inspector 2A-2D</li> </ul> <u>Fixed:</u> <ul style="list-style-type: none"> <li>Updated NWCG contact information</li> <li>Rescue Systems 3 –materials are now posted on SFT website</li> <li>Students manuals are now available for free download therefore bookstore contact information has been updated</li> <li>Replaced remaining courses that still reflected a requirement for a certification exam with a requirement for an instructor created summative exam</li> <li>Various typos</li> </ul>
September 2013	<u>Added:</u> <ul style="list-style-type: none"> <li>Fire Inspector 1A-1D</li> <li>Prevention 1</li> <li>Rescue Systems 3</li> <li>Terrorism Liaison Officer</li> <li>AAIM</li> <li>Driver Operator Aerial Tiller Truck Operations</li> <li>Command 1A &amp; Command 1C</li> </ul> <u>Fixed:</u> <ul style="list-style-type: none"> <li>Fire Command 2B –materials are now posted on SFT website</li> <li>Added download links for free downloadable manuals</li> </ul>
February 2012	Unknown...
November 2011	<u>Added:</u> <ul style="list-style-type: none"> <li>Fireline Safety Awareness for the Hired Vendor</li> <li>Command &amp; Control of the RIC Deployment</li> <li>RIC Operations</li> </ul>